

## HUMAN RECOMBINANT PROTEINS

| CAT.#      | Description                                                     | Species |
|------------|-----------------------------------------------------------------|---------|
| GRF01094   | Recombinant Human Activin RIIA/ACVR2A Protein                   | Human   |
| GRF00153   | Recombinant Human Activin RIIB/ACVR2B Protein                   | Human   |
| GRF00978   | Recombinant Human ALK-1/ACVRL1 Protein                          | Human   |
| GRF00074   | Recombinant Human ALK-4/ACVR1B Protein                          | Human   |
| GRF00256   | Recombinant Human ALK-7/ACVR1C Protein                          | Human   |
| GRF00898   | Recombinant Human Amphiregulin/AREG Protein                     | Human   |
| GRF01828   | Recombinant Human Angiopoietin-1/ANG-1/ANGPT1(277-498) Protein  | Human   |
| GRF02008   | Recombinant Human Angiopoietin-2/ANG-2/ANGPT2(275-496) Protein  | Human   |
| GRF01773   | Recombinant Human Angiopoietin-4/ANG-4/ANGPT4(23-503) Protein   | Human   |
| GRF01024   | Recombinant Human Angiopoietin-like 3/ANGPTL3(17-220) Protein   | Human   |
| GRF02866   | Recombinant Human Angiopoietin-like 3/ANGPTL3(17-460) Protein   | Human   |
| GRF02179   | Recombinant Human Angiopoietin-like 4/ANGPTL4(166-406) Protein  | Human   |
| GRF02831   | Recombinant Human Angiopoietin-like 8/ANGPTL8 (22-198) Protein  | Human   |
| GRF10137LQ | Recombinant Human Atrophin-1 interacting protein 4/ITCH protein | Human   |
| GRF01779   | Recombinant Human BCEI/PS2/TFF1 Protein                         | Human   |
| GRF01700   | Recombinant Human Betacellulin/BTC Protein                      | Human   |
| GRF01792   | Recombinant Human Beta-nerve growth factor/NGFB Protein         | Human   |
| GRF02512S  | Recombinant Human BMP-4 (E399D) Protein                         | Human   |
| GRF00156   | Recombinant Human BMPR-1A/ALK-3/CD292 Protein                   | Human   |
| GRF01222   | Recombinant Human BMPR-1B/ALK-6/CDw293 Protein                  | Human   |
| GRF01418   | Recombinant Human BMPR-2 Protein                                | Human   |
| GRF01420   | Recombinant Human BMPR-2 Protein                                | Human   |
| GRF00703   | Recombinant Human Brain Natriuretic Peptide/NT-proBNP Protein   | Human   |
| GRF01728   | Recombinant Human Calcitonin/CALCA Protein                      | Human   |
| GRF01613   | Recombinant Human CCL1/I-309 Protein                            | Human   |
| GRF01411   | Recombinant Human CCL2/MCP-1 Protein                            | Human   |
| GRF01660   | Recombinant Human CCL2/MCP-1 Protein                            | Human   |
| GRF01834   | Recombinant Human CCL3L1 Protein                                | Human   |
| GRF01654   | Recombinant Human CCL4/MIP-1 $\beta$ Protein                    | Human   |
| GRF01611LQ | Recombinant Human CCL5/RANTES Protein                           | Human   |
| GRF01750LQ | Recombinant Human CCL5/RANTES Protein                           | Human   |
| GRF00063   | Recombinant Human CCL7/MCP-3 Protein                            | Human   |
| GRF01947   | Recombinant Human CCL8/MCP-2 Protein                            | Human   |
| GRF01635   | Recombinant Human CCL11/Eotaxin Protein                         | Human   |
| GRF01614   | Recombinant Human CCL13/MCP-4 Protein                           | Human   |

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|----------|----------------------------------------------------------------------------------------|---------|
| GRF01940 | Recombinant Human CCL14/HCC-1/HCC-3 Protein                                            | Human   |
| GRF01985 | Recombinant Human CCL14/HCC-1/HCC-3(28-93) Protein                                     | Human   |
| GRF01966 | Recombinant Human CCL15/MIP-5/HCC-2 Protein                                            | Human   |
| GRF00315 | Recombinant Human CCL17/TARC Protein                                                   | Human   |
| GRF01374 | Recombinant Human CCL17/TARC Protein                                                   | Human   |
| GRF02962 | Recombinant Human CCL18/PARC Protein                                                   | Human   |
| GRF01832 | Recombinant Human CCL19/MIP-3 beta Protein                                             | Human   |
| GRF01402 | Recombinant Human CCL21 Protein                                                        | Human   |
| GRF01781 | Recombinant Human CCL21/6Ckine Protein                                                 | Human   |
| GRF00317 | Recombinant Human CCL23/Ck beta 8-1 Protein                                            | Human   |
| GRF00318 | Recombinant Human CCL24/Eotaxin-2 Protein                                              | Human   |
| GRF01945 | Recombinant Human CCL25/TECK Protein                                                   | Human   |
| GRF01628 | Recombinant Human CCL3/MIP-1 alpha Protein                                             | Human   |
| GRF01855 | Recombinant Human CCL3/MIP-1 alpha Protein                                             | Human   |
| GRF01793 | Recombinant Human CER1/DAND4 Protein                                                   | Human   |
| GRF01747 | Recombinant Human Cerebral dopamine neurotrophic factor/CDNF Protein                   | Human   |
| GRF01808 | Recombinant Human Chemerin/RARRES2 Protein                                             | Human   |
| GRF01746 | Recombinant Human Chorionic somatomammotropin hormone 1/Choriomammotropin/CSH1 Protein | Human   |
| GRF00124 | Recombinant Human c-Kit ligand/KITLG/SCF Protein                                       | Human   |
| GRF00114 | Recombinant Human c-Kit/CD117 Protein                                                  | Human   |
| GRF00039 | Recombinant Human CNTF Protein                                                         | Human   |
| GRF00242 | Recombinant Human CNTFR-alpha Protein                                                  | Human   |
| GRF01128 | Recombinant Human Complement C5A Protein                                               | Human   |
| GRF00202 | Recombinant Human Cripto-1/TDGF1 Protein                                               | Human   |
| GRF01221 | Recombinant Human CSF-1/M-CSF Protein                                                  | Human   |
| GRF00268 | Recombinant Human CSF1R/M-CSF R/CD115 Protein                                          | Human   |
| GRF00094 | Recombinant Human CSF-2/GM-CSF Protein                                                 | Human   |
| GRF01722 | Recombinant Human CSF-3/G-CSF Protein                                                  | Human   |
| GRF02881 | Recombinant Human CSF-3/G-CSF Protein                                                  | Human   |
| GRF00270 | Recombinant Human CSF3R/G-CSF-R/CD114 Protein                                          | Human   |
| GRF01711 | Recombinant Human CX3CL1/Fractalkine Protein                                           | Human   |
| GRF01623 | Recombinant Human CXCL1/GRO-alpha Protein                                              | Human   |
| GRF01651 | Recombinant Human CXCL1/GRO-alpha Protein                                              | Human   |
| GRF01841 | Recombinant Human CXCL1/GRO-alpha Protein                                              | Human   |
| GRF01656 | Recombinant Human CXCL2/MIP-2 Protein                                                  | Human   |

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|----------|-----------------------------------------------------|---------|
| GRF01857 | Recombinant Human CXCL2/MIP-2 Protein               | Human   |
| GRF01403 | Recombinant Human CXCL3/GRO-gamma/MIP2-beta Protein | Human   |
| GRF01136 | Recombinant Human CXCL4/PF-4 Protein                | Human   |
| GRF01774 | Recombinant Human CXCL4/PF-4 Protein                | Human   |
| GRF00351 | Recombinant Human CXCL5/ENA-70 Protein              | Human   |
| GRF03246 | Recombinant Human CXCL6 Protein                     | Human   |
| GRF01599 | Recombinant Human CXCL7/PPBP Protein                | Human   |
| GRF00352 | Recombinant Human CXCL9/MIG Protein                 | Human   |
| GRF01638 | Recombinant Human CXCL10/IP-10 Protein              | Human   |
| GRF03273 | Recombinant Human CXCL11/IP-9 Protein               | Human   |
| GRF01637 | Recombinant Human CXCL12/SDF-1 Protein              | Human   |
| GRF02839 | Recombinant Human CXCL13/BLC Protein                | Human   |
| GRF02782 | Recombinant Human CXCL14/BRAK Protein               | Human   |
| GRF03286 | Recombinant Human CXCL17/VCC1 Protein               | Human   |
| GRF00353 | Recombinant Human Cyr61/CCN1 Protein                | Human   |
| GRF01030 | Recombinant Human EGF Protein                       | Human   |
| GRF03287 | Recombinant Human EGF Protein                       | Human   |
| GRF01714 | Recombinant human Ephrin-A3/EFNA3 Protein           | human   |
| GRF01895 | Recombinant Human EREG Protein                      | Human   |
| GRF00111 | Recombinant Human Erythropoietin R/EPO-R Protein    | Human   |
| GRF01380 | Recombinant Human Erythropoietin/EPO Protein        | Human   |
| GRF01690 | Recombinant Human Erythropoietin/EPO Protein        | Human   |
| GRF02181 | Recombinant Human FAM3B/PANDER Protein              | Human   |
| GRF00514 | Recombinant Human FAM3C Protein                     | Human   |
| GRF00631 | Recombinant Human Ferritin heavy chain/FTH1 Protein | Human   |
| GRF01242 | Recombinant Human FGF-1/aFGF Protein                | Human   |
| GRF01042 | Recombinant Human FGF-2/bFGF Protein                | Human   |
| GRF01404 | Recombinant Human FGF-3 Protein                     | Human   |
| GRF01712 | Recombinant Human FGF-4 Protein                     | Human   |
| GRF01717 | Recombinant Human FGF-7/HBGF-7/KGF Protein          | Human   |
| GRF01710 | Recombinant Human FGF-9 Protein                     | Human   |
| GRF01140 | Recombinant Human FGF-10 Protein                    | Human   |
| GRF00064 | Recombinant Human FGF-12 Protein                    | Human   |
| GRF01827 | Recombinant Human FGF-18 Protein                    | Human   |
| GRF01231 | Recombinant Human FGF-19 Protein                    | Human   |

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|----------|-----------------------------------------------------------|---------|
| GRF00049 | Recombinant Human FGF-21 Protein                          | Human   |
| GRF01740 | Recombinant human FGF-23 Protein                          | human   |
| GRF01151 | Recombinant Human FGFR-1/FLT-2/CD331 Protein              | Human   |
| GRF01213 | Recombinant Human FGFR-2 alpha (IIIc)/KGFR/CD332 Protein  | Human   |
| GRF00144 | Recombinant Human FGFR-3 alpha (IIIc)/CD333 Protein       | Human   |
| GRF00130 | Recombinant Human FGFR-4/CD334 Protein                    | Human   |
| GRF00134 | Recombinant Human FGFR-5/FGFRL1 Protein                   | Human   |
| GRF00175 | Recombinant Human Flt3 ligand/Flt3L Protein               | Human   |
| GRF02360 | Recombinant Human Flt3 ligand/Flt3L Protein               | Human   |
| GRF01138 | Recombinant Human FLT-3/FLK-2/CD135 Protein               | Human   |
| GRF01314 | Recombinant Human FLT-3/FLK-2/CD135 Protein               | Human   |
| GRF01173 | Recombinant Human Flt4 ligand/VEGF-C Protein              | Human   |
| GRF00376 | Recombinant Human Follistatin/Follistatin 288/FST Protein | Human   |
| GRF00007 | Recombinant Human Galectin-1/LGALS1 Protein               | Human   |
| GRF02964 | Recombinant Human GAS-6 Protein                           | human   |
| GRF01950 | Recombinant Human GDF15 Protein                           | Human   |
| GRF00102 | Recombinant Human GDNFR-alpha-1/GFRA1 Protein             | Human   |
| GRF00199 | Recombinant Human GDNFR-alpha-2/GFRA2 Protein             | Human   |
| GRF02175 | Recombinant Human GFER/ALR Protein                        | Human   |
| GRF02211 | Recombinant Human GFR alpha-like/GFRAL Protein            | Human   |
| GRF01796 | Recombinant Human GHRL/MTLGRF Protein                     | Human   |
| GRF00031 | Recombinant Human GMF-Beta/GMFB Protein                   | Human   |
| GRF00754 | Recombinant Human HB-EGF Protein                          | Human   |
| GRF01602 | Recombinant Human Hepatocyte growth factor/HGF Protein    | Human   |
| GRF00210 | Recombinant Human HER1/ERBB1/EGFR Protein                 | Human   |
| GRF01029 | Recombinant Human HER1/ERBB1/EGFR Protein                 | Human   |
| GRF03236 | Recombinant Human HGF Activator/HGFA Protein              | human   |
| GRF01041 | Recombinant Human HGF receptor/c-MET/MET Protein          | Human   |
| GRF01737 | Recombinant Human HMGB1-EGFP Protein                      | Human   |
| GRF01718 | Recombinant Human HMGB2 Protein                           | Human   |
| GRF00011 | Recombinant Human IFN-alpha 1/13(Q114A) Protein           | Human   |
| GRF01432 | Recombinant Human IFN-alpha 2 Protein                     | Human   |
| GRF00880 | Recombinant Human IFN-alpha 4 Protein                     | Human   |
| GRF01914 | Recombinant Human IFN-alpha 4 Protein                     | Human   |
| GRF00540 | Recombinant Human IFN-alpha 6 Protein                     | Human   |

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|----------|------------------------------------------------|---------|
| GRF01919 | Recombinant Human IFN-alpha 10 Protein         | Human   |
| GRF01900 | Recombinant Human IFN-alpha 21 Protein         | Human   |
| GRF02885 | Recombinant Human IFN-alpha B2/IFNA8 Protein   | Human   |
| GRF01915 | Recombinant Human IFN-alpha G/IFNA5 Protein    | Human   |
| GRF01897 | Recombinant Human IFN-alpha H2/IFNA14 Protein  | Human   |
| GRF01899 | Recombinant Human IFN-alpha I/IFN17 Protein    | Human   |
| GRF01342 | Recombinant Human IFNAR2 Protein               | Human   |
| GRF02774 | Recombinant Human IFN-beta Protein             | Human   |
| GRF01038 | Recombinant Human IFN-gamma Protein            | Human   |
| GRF00200 | Recombinant Human IFN-gamma R1/CD119 Protein   | Human   |
| GRF01650 | Recombinant Human IFN-gamma R2 Protein         | Human   |
| GRF00977 | Recombinant Human IFN-lambda 1/IL-29 Protein   | Human   |
| GRF00231 | Recombinant Human IFN-lambda 2/IL-28A Protein  | Human   |
| GRF00219 | Recombinant Human IFN-lambda 3/IL-28B Protein  | Human   |
| GRF01143 | Recombinant Human IGF1R/CD221 Protein          | Human   |
| GRF02186 | Recombinant Human IGF2BP2 Protein              | Human   |
| GRF02786 | Recombinant Human IGF2R/CD222 Protein          | Human   |
| GRF00237 | Recombinant Human IGFBP-1 Protein              | Human   |
| GRF00215 | Recombinant Human IGFBP-2 Protein              | Human   |
| GRF00185 | Recombinant Human IGFBP-4 Protein              | Human   |
| GRF01784 | Recombinant human IGFBP-5 Protein              | human   |
| GRF00145 | Recombinant Human IGFBP-6 Protein              | Human   |
| GRF00996 | Recombinant Human IGF-I Protein                | Human   |
| GRF01608 | Recombinant Human IGF-I Protein                | Human   |
| GRF01875 | Recombinant Human IGF-I Protein                | Human   |
| GRF01878 | Recombinant Human IGF-II Protein               | Human   |
| GRF00098 | Recombinant Human IL-1 alpha Protein           | Human   |
| GRF00002 | Recombinant Human IL-1 beta Protein            | Human   |
| GRF01547 | Recombinant Human IL-1 RGRF2/IL-1 R6 Protein   | Human   |
| GRF00093 | Recombinant Human IL-10 Protein                | Human   |
| GRF01647 | Recombinant Human IL-10RA/CD210 Protein        | Human   |
| GRF01648 | Recombinant Human IL-10RA/CD210 Protein        | Human   |
| GRF00050 | Recombinant Human IL-11 Protein                | Human   |
| GRF00675 | Recombinant Human IL-12 R beta 1/CD212 Protein | Human   |
| GRF01232 | Recombinant Human IL-12/IL-12A&IL-12B Protein  | Human   |

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| CAT.#     | Description                                           | Species |
|-----------|-------------------------------------------------------|---------|
| GRF01232S | Recombinant Human IL-12/IL-12A&IL-12B Protein         | Human   |
| GRF00173  | Recombinant Human IL-12A/IL-12 p35 Protein            | Human   |
| GRF01288  | Recombinant Human IL-12B/IL-12 p40 Protein            | Human   |
| GRF01320  | Recombinant Human IL-13 Protein                       | Human   |
| GRF01025  | Recombinant Human IL-13RA1/CD213a1 Protein            | Human   |
| GRF01032  | Recombinant Human IL-13RA1/CD213a1 Protein            | Human   |
| GRF01236  | Recombinant Human IL-15 Protein                       | Human   |
| GRF01257  | Recombinant Human IL-15 Protein                       | Human   |
| GRF01192  | Recombinant Human IL-15RA/CD215 Protein               | Human   |
| GRF00038  | Recombinant Human IL-16 Protein                       | Human   |
| GRF00212  | Recombinant Human IL-17A/CTLA-8 Protein               | Human   |
| GRF02709  | Recombinant Human IL-17C Protein                      | Human   |
| GRF00870  | Recombinant Human IL-17F Protein                      | Human   |
| GRF00273  | Recombinant Human IL-17RA/CD217 Protein               | Human   |
| GRF00006  | Recombinant Human IL-18 Protein                       | Human   |
| GRF00162  | Recombinant Human IL-18BP Protein                     | Human   |
| GRF01100  | Recombinant Human IL-18 R beta/IL-1 R7/CD218b Protein | Human   |
| GRF00097  | Recombinant Human IL-18R1/CD218a Protein              | Human   |
| GRF01949  | Recombinant Human IL-19 Protein                       | Human   |
| GRF00939  | Recombinant Human IL-1R1/ CD121a Protein              | Human   |
| GRF01036  | Recombinant Human IL-1R1/CD121a Protein               | Human   |
| GRF00235  | Recombinant Human IL-1R2/CD121b Protein               | Human   |
| GRF01028  | Recombinant Human IL-1R2/CD121b Protein               | Human   |
| GRF01382  | Recombinant Human IL-1R3/IL-1RAcP/IL1RAP Protein      | Human   |
| GRF01820  | Recombinant Human IL1RAPL-2 Protein                   | Human   |
| GRF00271  | Recombinant Human IL1RL1/ST2 Protein                  | Human   |
| GRF00003  | Recombinant Human IL-1RN Protein                      | Human   |
| GRF01039  | Recombinant Human IL-2 Protein                        | Human   |
| GRF00076  | Recombinant Human IL-2RA/CD25 Protein                 | Human   |
| GRF01405  | Recombinant Human IL-2RA/CD25 Protein                 | Human   |
| GRF01031  | Recombinant Human IL-2RG/CD132 Protein                | Human   |
| GRF01205  | Recombinant Human IL-2RG/CD132 Protein                | Human   |
| GRF01362  | Recombinant Human IL-3 Protein                        | Human   |
| GRF00121  | Recombinant Human IL-3RA/CD123 Protein                | Human   |
| GRF00995  | Recombinant Human IL-4 Protein                        | Human   |

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|----------|---------------------------------------------------|---------|
| GRF00099 | Recombinant Human IL-4R alpha/CD124 Protein       | Human   |
| GRF01316 | Recombinant Human IL-5 Protein                    | Human   |
| GRF01783 | Recombinant Human IL-5RA/CD125 Protein            | Human   |
| GRF00201 | Recombinant Human IL-6 Protein                    | Human   |
| GRF00269 | Recombinant Human IL-6RA/CD126 Protein            | Human   |
| GRF01396 | Recombinant Human IL-6RA/CD126 Protein            | Human   |
| GRF01217 | Recombinant Human IL-6RB/gp130/CD130 Protein      | Human   |
| GRF01040 | Recombinant Human IL-7 Protein                    | Human   |
| GRF00976 | Recombinant Human IL-7RA/CD127 Protein            | Human   |
| GRF00052 | Recombinant Human IL-8/CXCL8/GCP-1 Protein        | Human   |
| GRF01649 | Recombinant Human IL-9 Protein                    | Human   |
| GRF01686 | Recombinant Human IL-9 Protein                    | Human   |
| GRF02891 | Recombinant Human IL-9 Protein                    | Human   |
| GRF00537 | Recombinant Human IL-20RA Protein                 | Human   |
| GRF01102 | Recombinant Human IL-20RB Protein                 | Human   |
| GRF01312 | Recombinant Human IL-21 Protein                   | Human   |
| GRF00177 | Recombinant Human IL-21R/CD360 Protein            | Human   |
| GRF01616 | Recombinant Human IL-22 Protein                   | Human   |
| GRF00192 | Recombinant Human IL-22RA2/IL22BP Protein         | Human   |
| GRF01160 | Recombinant Human IL-23/IL-12B&IL-23A Protein     | Human   |
| GRF01376 | Recombinant Human IL-23R Protein                  | Human   |
| GRF03298 | Recombinant Human IL-24 Protein                   | Human   |
| GRF01755 | Recombinant human IL-25/IL-17E Protein            | human   |
| GRF01927 | Recombinant Human IL-25/IL-17E Protein            | Human   |
| GRF00639 | Recombinant Human IL-27/IL-27A&IL-27B Protein     | Human   |
| GRF02418 | Recombinant Human IL-27RA/TCCR Protein            | Human   |
| GRF01757 | Recombinant Human IL-31 Protein                   | Human   |
| GRF00019 | Recombinant Human IL-33 Protein                   | Human   |
| GRF01713 | Recombinant Human IL-34 Protein                   | human   |
| GRF00027 | Recombinant Human IL-36 alpha/IL-1F6 Protein      | Human   |
| GRF00020 | Recombinant Human IL-36 beta/IL-1F8 Protein       | Human   |
| GRF00035 | Recombinant Human IL-36 gamma/IL-1F9 Protein      | Human   |
| GRF01435 | Recombinant Human IL-36R/IL-1RGRF2/IL1RL2 Protein | Human   |
| GRF00030 | Recombinant Human IL-36Ra/IL-1F5 Protein          | Human   |
| GRF00409 | Recombinant Human IL-37/IL-1F7 Protein            | Human   |

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|-----------|----------------------------------------------------------------------|---------|
| GRF01084  | Recombinant Human IL-38/IL-1F10 Protein                              | Human   |
| GRF03275  | Recombinant Human Inhibin beta E/INHBE Protein                       | Human   |
| GRF00915  | Recombinant Human Insulin-like 3/INSL3 Protein                       | Human   |
| GRF01752  | Recombinant Human Interferon omega-1/IFNW1 Protein                   | Human   |
| GRF01963  | Recombinant Human ITPRIPL1/KIAA1754L/CD3L1 Protein                   | Human   |
| GRF00161  | Recombinant Human Latent TGF-beta 1 (C33S) Protein                   | Human   |
| GRF03502  | Recombinant Human Latent TGF-beta 2 Protein                          | Human   |
| GRF00028  | Recombinant Human Leptin/LEP Protein                                 | Human   |
| GRF00089  | Recombinant Human Leukemia inhibitory factor/LIF Protein             | Human   |
| GRF01697  | Recombinant Human Leukemia inhibitory factor/LIF Protein             | Human   |
| GRF03299  | Recombinant Human LGR4/GPR48 Protein                                 | Human   |
| GRF01942  | Recombinant Human LH /CGA&LHB Protein                                | Human   |
| GRF00825  | Recombinant Human LR3-IGF-1(E51R) Protein                            | Human   |
| GRF01911  | Recombinant Human Lutropin beta chain/LHB Protein                    | Human   |
| GRF02815  | Recombinant Human Lymphotactin/XCL1 Protein                          | Human   |
| GRF02895  | Recombinant Human Macrophage migration inhibitory factor/MIF Protein | Human   |
| GRF00005  | Recombinant Human MANF Protein                                       | Human   |
| GRF00044  | Recombinant Human MANF Protein                                       | Human   |
| GRF02513S | Recombinant Human Mature BMP-7 Protein                               | Human   |
| GRF00835  | Recombinant Human Mature GDNF Protein                                | Human   |
| GRF01313  | Recombinant Human Mature GDNF Protein                                | Human   |
| GRF01954  | Recombinant Human Mature GDNF Protein                                | Human   |
| GRF01458  | Recombinant Human Mature TGF-beta 1 Protein                          | Human   |
| GRF00452  | Recombinant Human Mature TGF-beta 2 Protein                          | Human   |
| GRF03515  | Recombinant Human Midkine/MDK Protein                                | Human   |
| GRF01956  | Recombinant Human Mat. MIS/AMH Protein                               | Human   |
| GRF01790  | Recombinant Human MYDGF Protein                                      | Human   |
| GRF00137  | Recombinant Human Neuropilin-1/NGRF1/VEGF165R/CD304 Protein          | Human   |
| GRF00225  | Recombinant Human Neuropilin-2/NGRF2/VEGF165R2 Protein               | Human   |
| GRF00496  | Recombinant Human Neurotrophin-3/NGF-2/NT-3 Protein                  | Human   |
| GRF01237  | Recombinant Human Noggin/NOG Protein                                 | Human   |
| GRF01186  | Recombinant Human NovH/CCN3(N97K) Protein                            | Human   |
| GRF00054  | Recombinant Human Oncostatin-M/OSM Protein                           | Human   |
| GRF00224  | Recombinant Human OSMR/IL-31RB Protein                               | Human   |
| GRF00989  | Recombinant Human Osteopontin/SPP-1 Protein                          | Human   |

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|----------|------------------------------------------------------------------------|---------|
| GRF00724 | Recombinant Human PBEF/Visfatin/NAMPT Protein                          | Human   |
| GRF01772 | Recombinant Human PDGF-AA Protein                                      | Human   |
| GRF01763 | Recombinant Human PDGF-BB Protein                                      | Human   |
| GRF00116 | Recombinant Human PDGFR-alpha/CD140a Protein                           | Human   |
| GRF00126 | Recombinant Human PDGFR-beta/CD140b(E241D) Protein                     | Human   |
| GRF01748 | Recombinant Human Periostin/PN/POSTN Protein                           | Human   |
| GRF00187 | Recombinant Human Progranulin/PGRN/GRN Protein                         | Human   |
| GRF00128 | Recombinant Human Prolactin receptor/PRL-R Protein                     | Human   |
| GRF01723 | Recombinant Human Prolactin/PRL Protein                                | Human   |
| GRF01825 | Recombinant Human Pro-neuregulin-1/NRG1 (Beta1) Protein                | Human   |
| GRF01742 | Recombinant Human Prothrombin/F2 Protein                               | human   |
| GRF01810 | Recombinant Human RETN Protein                                         | Human   |
| GRF00071 | Recombinant Human R-spondin-1/RSPO1 Protein                            | Human   |
| GRF03266 | Recombinant Human R-spondin-2/RSPO2 Protein                            | Human   |
| GRF01952 | Recombinant Human R-spondin-3/ RSPO3 Protein                           | Human   |
| GRF00278 | Recombinant Human SECTM1 Protein                                       | Human   |
| GRF01850 | Recombinant Human Semaphorin-6A/SEMA6A Protein                         | Human   |
| GRF00033 | Recombinant Human Somatotropin/GH-N/GH1 Protein                        | Human   |
| GRF00056 | Recombinant Human Sonic hedgehog protein N-product/SHH(C24IVI) Protein | Human   |
| GRF01780 | Recombinant Human TGF-alpha Protein                                    | Human   |
| GRF00239 | Recombinant Human TGF-beta receptor type-2/TGFR-2 Protein              | Human   |
| GRF01408 | Recombinant Human TGFR-1/ALK-5 Protein                                 | Human   |
| GRF02785 | Recombinant Human Thrombopoietin R/MPL/CD110 Protein                   | Human   |
| GRF00174 | Recombinant Human Thrombopoietin/THPO Protein                          | Human   |
| GRF00048 | Recombinant Human TIE2/TEK/CD202b Protein                              | Human   |
| GRF00122 | Recombinant Human TIE2/TEK/CD202b Protein                              | Human   |
| GRF00595 | Recombinant Human Tissue-type plasminogen activator/TPA/PLAT Protein   | Human   |
| GRF00993 | Recombinant Human TNF-alpha Protein                                    | Human   |
| GRF01977 | Recombinant Human TNF-beta Protein                                     | Human   |
| GRF01347 | Recombinant Human TNFRSF1A/TNF-R1/CD120a Protein                       | Human   |
| GRF01412 | Recombinant Human TNFRSF1A/TNF-R1/CD120a Protein                       | Human   |
| GRF00252 | Recombinant Human TNFRSF1B/TNF-R2/CD120b Protein                       | Human   |
| GRF01179 | Recombinant Human TNFRSF3/TNFR-III/LTBR Protein                        | Human   |
| GRF01357 | Recombinant Human TNFRSF4/OX40/CD134 Protein                           | Human   |
| GRF01214 | Recombinant Human TNFRSF5/CD40 Protein                                 | Human   |

## HUMAN RECOMBINANT PROTEINS

| CAT.#    | Description                                             | Species |
|----------|---------------------------------------------------------|---------|
| GRF01218 | Recombinant Human TNFRSF5/CD40 Protein                  | Human   |
| GRF00139 | Recombinant Human TNFRSF6/FAS/CD95 Protein              | Human   |
| GRF01358 | Recombinant Human TNFRSF7/CD27 Protein                  | Human   |
| GRF00106 | Recombinant Human TNFRSF8/CD30 Protein                  | Human   |
| GRF00276 | Recombinant Human TNFRSF9/4-1BB/CD137 Protein           | Human   |
| GRF02082 | Recombinant Human TNFRSF10A/DR4/TRAIL-R1/CD261 Protein  | Human   |
| GRF00282 | Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein  | Human   |
| GRF01388 | Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein  | Human   |
| GRF00805 | Recombinant Human TNFRSF10C/DcR1/TRAIL-R3/CD263 Protein | Human   |
| GRF00992 | Recombinant Human TNFRSF10D/DcR2/TRAIL-R4/CD264 Protein | Human   |
| GRF00458 | Recombinant Human TNFRSF11A/RANK/CD265 Protein          | Human   |
| GRF00180 | Recombinant Human TNFRSF11B/Osteoprotegerin Protein     | Human   |
| GRF00166 | Recombinant Human TNFRSF12A/TWEAKR/CD266 Protein        | Human   |
| GRF01223 | Recombinant Human TNFRSF13C/BAFFR/CD268 Protein         | Human   |
| GRF00070 | Recombinant Human TNFRSF14/HVEM/CD270 Protein           | Human   |
| GRF00155 | Recombinant Human TNFRSF17/BCMA/CD269 Protein           | Human   |
| GRF01399 | Recombinant Human TNFRSF18/GITR/CD357 Protein           | Human   |
| GRF03175 | Recombinant Human TNFRSF19/TROY Protein                 | Human   |
| GRF01349 | Recombinant Human TNFRSF21/DR6/CD358 Protein            | Human   |
| GRF00464 | Recombinant Human TNFRSF25/DR3 Protein                  | Human   |
| GRF01541 | Recombinant Human TNFSF10/TRAIL/CD253 Protein           | Human   |
| GRF00183 | Recombinant Human TNFSF11/RANKL/CD254 Protein           | Human   |
| GRF01777 | Recombinant Human TNFSF13/APRIL/CD256 Protein           | Human   |
| GRF02038 | Recombinant Human TNFSF13/APRIL/CD256 Trimer Protein    | Human   |
| GRF00018 | Recombinant Human TNFSF13B/BAFF/CD257 Protein           | Human   |
| GRF01730 | Recombinant Human TNFSF13B/BAFF/CD257 Protein           | human   |
| GRF01336 | Recombinant Human TNFSF14/LIGHT/HVEM-L/CD258 Protein    | Human   |
| GRF00053 | Recombinant Human TNFSF15/TL1 Protein                   | Human   |
| GRF01433 | Recombinant Human TNFSF18/GITR Ligand Protein           | Human   |
| GRF01535 | Recombinant Human TNFSF18/GITR Ligand Protein           | Human   |
| GRF00467 | Recombinant Human TNFSF4/OX40 ligand/CD252 Protein      | Human   |
| GRF01902 | Recombinant Human TNFSF4/OX40 ligand/CD252 Protein      | Human   |
| GRF01733 | Recombinant Human TNFSF5/CD40 ligand/CD154 Protein      | Human   |
| GRF02353 | Recombinant Human TNFSF6/FAS ligand/CD178 Protein       | Human   |
| GRF01129 | Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein       | Human   |

## HUMAN RECOMBINANT PROTEINS

| CAT.#       | Description                                                                  | Species         |
|-------------|------------------------------------------------------------------------------|-----------------|
| GRF01720    | Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein                            | Human           |
| GRF01805    | Recombinant Human TNFSF8/CD30 Ligand/CD153 Protein                           | Human           |
| GRF00060    | Recombinant Human TNFSF9/4-1BB Ligand Protein                                | Human           |
| GRF00606    | Recombinant Human Transcriptional Repressor Ctcf/CTCF Protein                | Human           |
| GRF00088    | Recombinant Human Trk-A/NTRK1 Protein                                        | Human           |
| GRF01726    | Recombinant human Trk-A/NTRK1 Protein                                        | human           |
| GRF00290    | Recombinant Human Trk-B/NTRK2 Protein                                        | Human           |
| GRF00222    | Recombinant Human Trk-C/NTRK3 Protein                                        | Human           |
| GRF00288    | Recombinant Human Trk-C/NTRK3 Protein                                        | Human           |
| GRF01049    | Recombinant Human TWSG1 Protein                                              | Human           |
| GRF01368    | Recombinant Human Vasorin/SLIT2/VASN Protein                                 | Human           |
| GRF01162    | Recombinant Human VEGF-A/VEGF121 Protein                                     | Human           |
| GRF00017    | Recombinant Human VEGF-A/VEGF121(K321N) Protein                              | Human           |
| GRF01150    | Recombinant Human VEGF-A/VEGF165 Protein                                     | Human           |
| GRF01118    | Recombinant Human VEGF-B/VEGF186 Protein                                     | Human           |
| GRF01426    | Recombinant Human VEGF-D/FIGF Protein                                        | Human           |
| GRF01188    | Recombinant Human VEGFR-1/FLT-1 Protein                                      | Human           |
| GRF00084    | Recombinant Human VEGFR-2/KDR/CD309 Protein                                  | Human           |
| GRF01378    | Recombinant Human VEGFR-2/KDR/CD309 Protein                                  | Human           |
| GRF00123    | Recombinant Human VEGFR-3/FLT-4 Protein                                      | Human           |
| GRF02813    | Recombinant Human VHL Protein                                                | Human           |
| GRF01618    | Recombinant Human Wnt-3a Surrogate Protein                                   | Human           |
| GRF01618SLQ | Recombinant Human Wnt-3a Surrogate Protein                                   | Human           |
| GRF01659    | Recombinant Human/Mouse FGF-8B Protein                                       | Human/Mouse     |
| GRF01243    | Recombinant Human/Mouse/Rat BDNF Protein                                     | Human           |
| GRF00378LQ  | Recombinant Human/Mouse/Rat GDF-11/BMP-11 Protein                            | Human           |
| GRF01782S   | Recombinant Human/Mouse/Rat mature Activin A/INHBA Protein                   | Human,Mouse,Rat |
| GRF02510S   | Recombinant Human/Mouse/Rat mature BMP-2 Protein                             | Human,Mouse,Rat |
| GRF02512S1  | Recombinant Human/Mouse/Rat Mature BMP-4 Protein                             | Human,Mouse,Rat |
| GRF00645    | Recombinant Human/Mouse/Rat mature TGF-beta 3 Protein                        | Human           |
| GRF02274B   | Biotinylated Recombinant Human Angiopoietin-2/ANG-2/ANGPT2 (275-496) Protein | Human           |
| GRF02273B   | Biotinylated Recombinant Human Angiopoietin-like 3/ANGPTL3 (17-219) Protein  | Human           |
| GRF02337B   | Biotinylated Recombinant Human CSF1R/M-CSF R/CD115 Protein                   | Human           |
| GRF02357B   | Biotinylated Recombinant Human FGFR-4/CD334 Protein                          | Human           |
| GRF02383B   | Biotinylated Recombinant Human IFN-gamma Protein                             | Human           |

## HUMAN RECOMBINANT PROTEINS

| CAT.#     | Description                                                                             | Species |
|-----------|-----------------------------------------------------------------------------------------|---------|
| GRF02386B | Biotinylated Recombinant Human IGF1R/CD221 Protein                                      | Human   |
| GRF02391B | Biotinylated Recombinant Human IL-10 Protein                                            | Human   |
| GRF02394B | Biotinylated Recombinant Human IL-13 Protein                                            | Human   |
| GRF02410B | Biotinylated Recombinant Human IL-17A/CTLA-8 Protein                                    | Human   |
| GRF02417B | Biotinylated Recombinant Human IL-17F Protein                                           | Human   |
| GRF02396B | Biotinylated Recombinant Human IL-17RA/CD217 Protein                                    | Human   |
| GRF02423B | Biotinylated Recombinant Human IL-17RA/CD217 Protein                                    | Human   |
| GRF02425B | Biotinylated Recombinant Human IL-6RA/CD126 Protein                                     | Human   |
| GRF02464B | Biotinylated Recombinant Human Oncostatin-M/OSM Protein                                 | Human   |
| GRF02476B | Biotinylated Recombinant Human PDGFR-alpha/CD140a Protein                               | Human   |
| GRF02478B | Biotinylated Recombinant Human PDGFR-beta/CD140b Protein                                | Human   |
| GRF02094B | Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP (R127A, R130A) Protein | Human   |
| GRF02092B | Biotinylated Recombinant Human Thymic stromal lymphopoietin/TSLP Protein                | Human   |
| GRF02081B | Biotinylated Recombinant Human TNF-alpha Protein                                        | Human   |
| GRF02083B | Biotinylated Recombinant Human TNFRSF10A/DR4/TRAIL-R1/CD261 Protein                     | Human   |
| GRF02087B | Biotinylated Recombinant Human TNFRSF10D/DcR2/TRAIL-R4/CD264 Protein                    | Human   |
| GRF02282B | Biotinylated Recombinant Human TNFRSF9/4-1BB/CD137 Protein                              | Human   |
| GRF02097B | Biotinylated Recombinant Human VEGF-A/VEGF165 Protein                                   | Human   |
| GRF02100B | Biotinylated Recombinant Human VEGFR-1/FLT-1 Protein                                    | Human   |
| GRF02085B | Biotinylated Recombinant Human TNFRSF10B/DR5/TRAIL-R2/CD262 Protein                     | Human   |