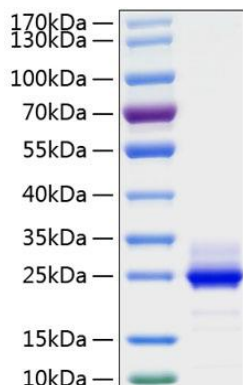


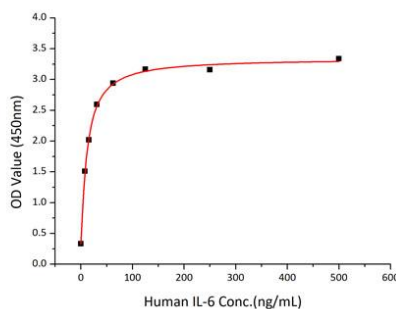


GFR-10528 Human Recombinant Human IL-6 Protein

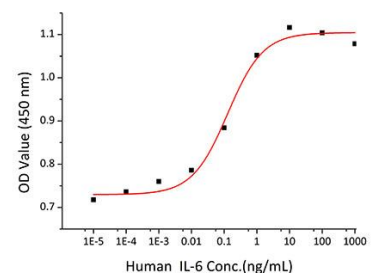
- Size:** 10ug
- Tags:** C-His
- Synonyms:** IL6;BSF-2;BSF2;CDF;HGF;HSF;IFNbeta-2;IFNB2;IL-6
- Source:** HEK293 cells
- Purification:** > 95% by SDSPAGE
- Endotoxin:** < 0.1 EU/μg of the protein by LAL method.
- Description:** Recombinant Human IL-6 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Val30-Met212) of human IL6 fused with a 6xHis tag at the C-terminus.
- Bio-Activity:** 1.Measured by its binding ability in a functional ELISA.Immobilized Human IL6R at 1 μg/mL (100 μL/well) can bind Human IL-6 with a linear range of 2-15 ng/mL.2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED₅₀ for this effect is 0.07-0.26 ng/mL, corresponding to a specific activity of $3.85 \times 10^6 \sim 1.43 \times 10^7$ units/mg.
- Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA,10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
- Formulation:** Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.
- Storage:** Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.



Recombinant Human IL-6 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 23-30kDa.



Immobilized Human IL6R at 1 μg/mL (100 μL/well) can bind Human IL-6 with a linear range of 2-15 ng/ML.



Recombinant Human IL6 stimulates cell proliferation of the TF-1 human erythroleukemic cells. The ED₅₀ for this effect is 0.07-0.26 ng/mL, corresponding to a specific activity of $3.85 \times 10^6 \sim 1.43 \times 10^7$ units/mg.