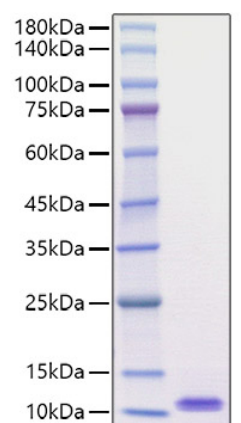


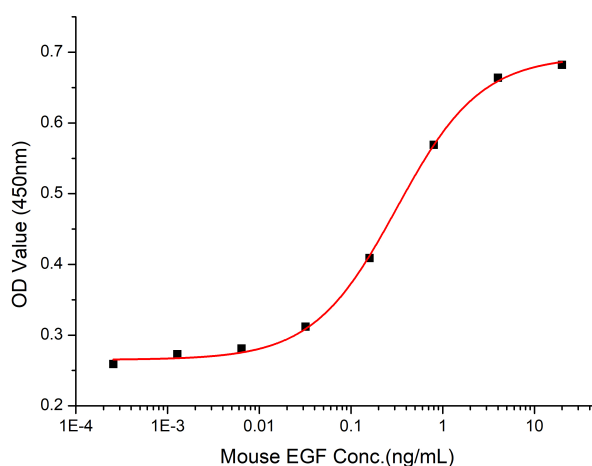


Product name:	Recombinant Mouse EGF Protein
Cat number:	GRF01684
Conjugate:	Unconjugated
Size:	100 ug
Concentration:	0.1-0.5 mg/mL
Host:	Pichia
Molecular Weight:	6045-Da
Purification:	≥ 95 % as determined by SDS-PAGE
Form:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	Store at -20°C. Store the lyophilized 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.

Background: EGF is the founding member of the EGF-family of proteins. Members of this protein family have highly similar structural and functional characteristics. EGF contains 9 EGF-like domains and 9 LDL-receptor class B repeats. Human EGF is a 6045-Da protein with 53 amino acid residues and three intramolecular disulfide bonds. As a low-molecular-weight polypeptide, EGF was first purified from the mouse submandibular gland, but since then it was found in many human tissues including submandibular gland, parotid gland.



Recombinant Mouse EGF Protein was Measured in a cell proliferation assay determined by SDS-PAGE under using 4MBr 5 rhesus monkey reducing conditions with Coomassie epithelial cells.



The ED50 for this effect is 0.16-0.63 ng/mL, corresponding to a specific activity of 1.59×10^6 – 6.25×10^6 units/mg.