


Mouse EGF protein

Cat #: PRP1957

Size: 100 ug/500 ug/1 mg/10 mg

Product Information

	Product Name: Mouse EGF protein		
REF	Catalog Number: PRP1957	LOT	Lot Number: Refer to product label
	Purity: > 95 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E.coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6. EGF Can induce neurite outgrowth in motoneurons of the pond snail *Lymnaea stagnalis* in vitro.

Sequence: Amino acid sequence derived from Mouse EGF (Met978-Arg 1029)(P01132) was expressed .

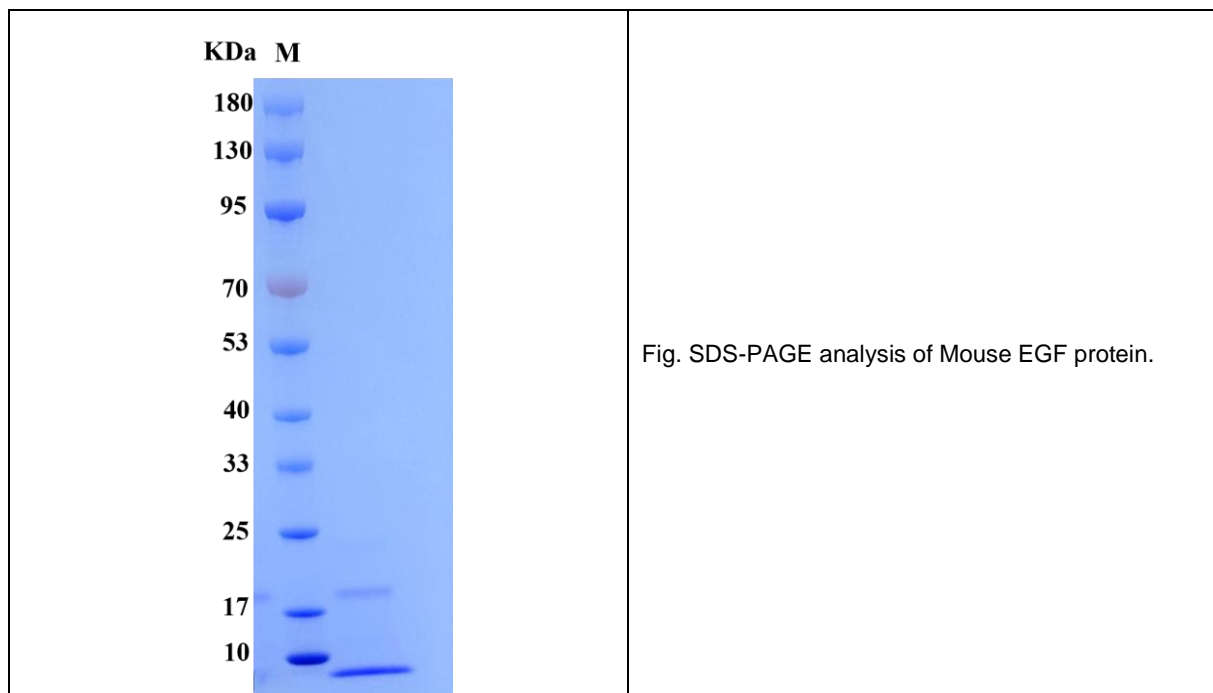
Protein length: The recombinant mouse EGF consists of 55 amino acids and predicts a molecular mass of 6.2 KDa.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

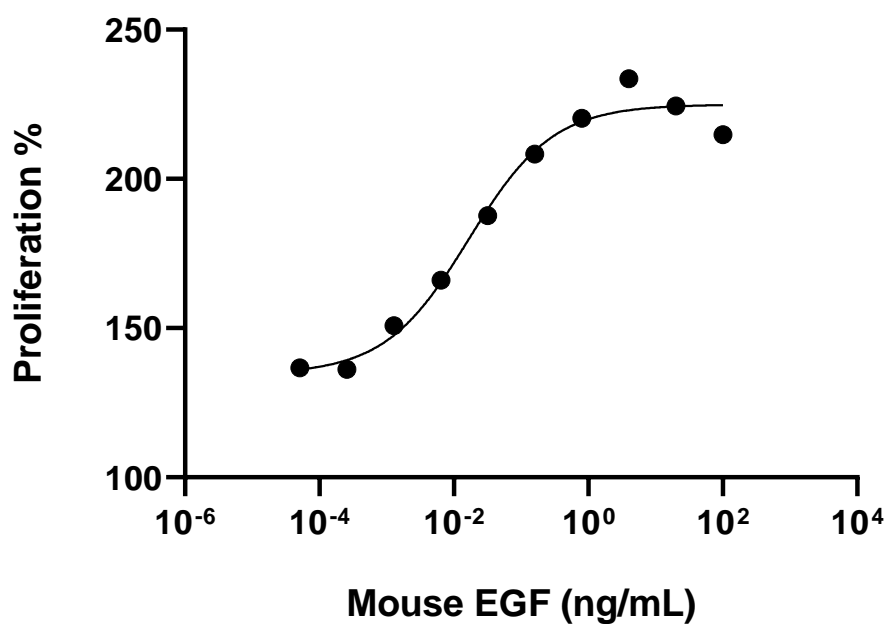
Formulation: Lyophilized from sterile 150 mM NaCl 20 mM Tris , pH 8.0.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA , 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Mouse EGF protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously



Biological Activity: Measured in a cell proliferation assay using Balb/c 3T3 mouse embryonic fibroblasts. The ED_{50} for this effect is typically 0.017 ng/mL. The specific activity of recombinant Mouse EGF is approximately $>5.89 \times 10^7$ IU/mg.



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