

Active Recombinant Mouse EGF Protein

Cat. No. EGF-75M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EGF Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Epidermal growth factor (EGF) is a growth factor that stimulates the proliferation, differentiation, and survival of epithelial and epidermal cells. EGF contains three intramolecular disulfide bonds and binds in high affinity to the epidermal growth factor receptor (EGFR).
Bio-activity	3T3 cell proliferation, ≤ 250 pg/mL
Molecular Mass	Monomer, 6.2 kDa (54 aa)
AA Sequence	MNSYPGCPSSYDGYCLNGGVCMHIESLDSYTCNCVIGYSGDRCQTRDLRWWELR
Endotoxin	≤ 1 EUs/ μ g, Kinetic LAL
Purity	$\geq 95\%$, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.

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Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	Egf epidermal growth factor [<i>Mus musculus</i> (house mouse)]
Official Symbol	EGF
Synonyms	EGF; epidermal growth factor; pro-epidermal growth factor; Pro-epidermal growth factor precursor (EGF); AI790464;
Gene ID	13645
mRNA Refseq	NM_010113
Protein Refseq	NP_034243
UniProt ID	P01132

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