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32-12035: Mouse Epidermal Growth Factor (AF)

Gene :	Egf
Gene ID :	13645
Uniprot ID :	P01132
Alternative Name :	Urogastrone, URGÂ Â

Description

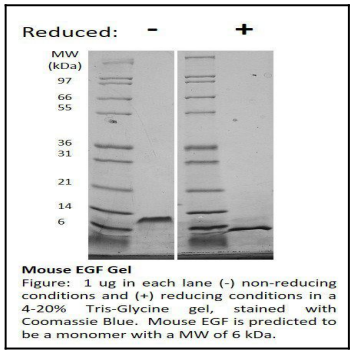
Source: Genetically modified E.coli.
Predicted MW: Monomer, 6 kDa (53 aa)
Epidermal growth factor (EGF) is a growth factor that stimulates the proliferation, differentiation, and survival of epithelial and epidermal cells. EGF contains three intramolecular disulfide bonds and binds in high affinity to the epidermal growth factor receptor (EGFR).

Product Info

Amount :	500 µg / 1 mg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	NSYPGCPSSY DGYCLNGGVC MHIESLDSYT CNCVIGYSGD RCQTRDLRWW ELR

Application Note

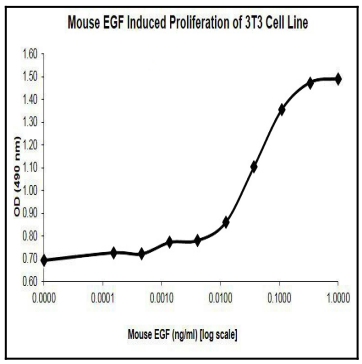
Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Biological Activity was determined by 3T3 cell proliferation at <=250 pg/mL; >= 4.0 x 10^6 units/mg (typical ED50 is 10-100 pg/mL).Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution 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°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.



Mouse EGF Gel
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse EGF is predicted to be a monomer with a MW of 6 kDa.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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