



EGF, MOUSE RECOMBINANT PROTEIN

CATALOG NUMBER:	GF155	QUANTITY:	500 µg
LOT NUMBER:			
ALTERNATE NAMES:	Epidermal Growth Factor		
DESCRIPTION:	Epidermal Growth Factor (EGF) is a polypeptide growth factor, which stimulates the proliferation of a wide range of epidermal and epithelial cells. Recombinant murine EGF is a 6.2 kDa protein containing 54 amino acid residues.		
SOURCE:	<i>E.coli</i>		
PURITY:	Greater than 98% by SDS-PAGE. Endotoxin level is less than 0.1 ng per µg (1EU/ug) of EGF.		
ACTIVITY:	Mouse EGF is fully biologically active when compared to standards. The ED50, as determined by its dose-dependent mitogenic activity on BALB/c 3T3 cells, is ≤ 0.1 ng/mL, corresponding to a specific activity of ≥ 1 x 10 ⁷ units/mg.		
APPLICATIONS:	For most <i>in vitro</i> applications, EGF exerts its biological activity in the concentration range of 0.5 to 25.0 ng/mL. Responding cells are (partial list): Epidermal mesothelial cells.		
PRESENTATION:	Frozen liquid in sterile filtered 10 mM Sodium Phosphate, pH 7.5, containing no additives.		
STORAGE/HANDLING:	Stable for one year at -70°C from date of shipment. The solution can be diluted into other buffered solutions and stored at 4°C for 1 week or -20°C for future use. Aliquot material into pre-chilled microcentrifuge tubes and immediately snap-freeze the vials in liquid nitrogen prior to re-storage at -70°C. Repeat freeze-thaw cycles should be avoided.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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