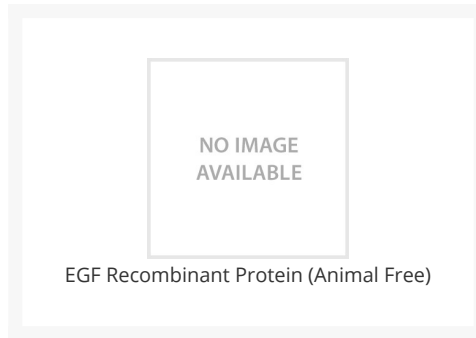




EGF Recombinant Protein (Animal Free)

Cat. No.: 40-763



Ψ Specifications

SPECIES:	Human, Mouse
SOURCE SPECIES:	E. coli
SEQUENCE:	NSYPGCPSSY DGYCLNGGVC MHIESLDSYT CNCVIGYSGD RCQTRDLRWW ELR

Ψ Properties

PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses.
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C. As with any protein, exposing the recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

Ψ Additional Info

OFFICIAL SYMBOL:	Egf
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ALTERNATE NAMES:	Epidermal Growth Factor, Urogastrone, URG
GENE ID:	13645

Background and References

BACKGROUND:	EGF is a potent growth factor that stimulates the proliferation of various epidermal and epithelial cells. Additionally, EGF has been shown to inhibit gastric secretion, and to be involved in wound healing. EGF signals through a receptor known as c-erbB, which is a class I tyrosine kinase receptor. This receptor also binds with TGF- α and VGF (vaccinia virus growth factor). Recombinant Murine EGF is a 6.0 kDa globular protein containing 53 amino acid residues, including 3 intramolecular disulfide bonds.
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