

Recombinant Mouse Egf Protein, His-tagged

Cat. No. Egf-7197M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse EGF protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional column chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.
Species	Mouse
Source	E.coli
ProteinLength	977-1029
Description	This gene encodes epidermal growth factor (EGF), the founding member of the EGF family of growth factors that are implicated in cell proliferation and differentiation. The encoded protein can localize to the membrane and function in juxtacrine signaling or undergo proteolytic processing to generate a soluble form of the hormone. Mice lacking the encoded protein do not exhibit an abnormal phenotype but transgenic mice overexpressing the encoded protein exhibit hypospermatogenesis.
Form	Liquid
Molecular Mass	8.6 kDa (77aa)
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSMNSYPGCPSSYDGYCLNGGVCMHIESLDSYT CNCVIGYSGDRCQTRDLRWWEIR
Purity	> 90 % by SDS-PAGE

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Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.5 mg/mL (determined by Bradford assay)
Storage Buffer	20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 10 % glycerol, 100 mM NaCl

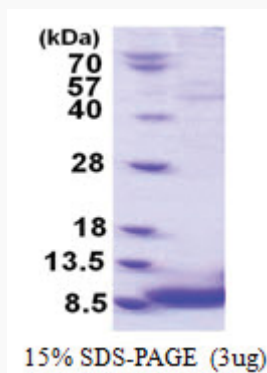
GENE INFORMATION

Gene Name	Egf epidermal growth factor [<i>Mus musculus</i> (house mouse)]
Official Symbol	Egf
Synonyms	Egf; epidermal growth factor; AI790464; pro-epidermal growth factor; Pro-epidermal growth factor precursor (EGF)
Gene ID	13645
mRNA Refseq	NM_001310737
Protein Refseq	NP_001297666
UniProt ID	Q3UWD7

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SDS-PAGE

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