

GMP Recombinant Porcine EGF Protein, His-Tagged

Cat. No. EGF-01P Lot. No. (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Porcine EGF Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Porcine
Source	E.coli
Description	Epidermal growth factor (EGF) stimulates cell growth and differentiation by binding to its receptor, EGFR. Human EGF is a 6-kDa protein with 53 amino acid residues and three intramolecular disulfide bonds. EGF is present in various body fluids, including blood, milk, urine, saliva, seminal fluid, pancreatic juice, cerebrospinal fluid, and amniotic fluid. Biological activities ascribed to EGF include epithelial development, angiogenesis, inhibition of gastric acid secretion, fibroblast proliferation, and colony formation of epidermal cells in culture.
Form	Lyophilized
AA Sequence	MNSYSECPPSHDGYCLHGGVCMYIEAVDSYACNCVFGYVGERCQHRDLKWWELR with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.

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Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	EGF epidermal growth factor [<i>Sus scrofa</i> (pig)]
Official Symbol	EGF
Gene ID	397083
mRNA Refseq	NM_214020.2
Protein Refseq	NP_999185.1
UniProt ID	Q00968

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