

EGF active protein

Recombinant Animal Free Human EGF protein

CATALOG # AAA49002	HOST E coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

EGF; Recombinant Animal Free Human EGF protein; Epidermal growth factor; Pro-epidermal growth factor; urogastrone; EGF active protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4)
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	971-1023aa
Sequence	MNSDSECPLS HDGYCLHDGV CMYIEALDKY ACNCVVG YIG ERCQYRDLKW WELR
Applicable Applications for EGF active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for EGF active protein	Recombinant human epidermal growth factor (EGF) is a 6.3 kDa globular protein containing 54 amino acids residues, including 3 intra-molecular disulfide bonds. 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. Recombinant EGF was expressed in E coli and purified by conventional column chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer. Produced using non-animal reagents in an animal-free laboratory
Product Categories/Family for EGF active protein	Hormones & Cytokines ; Proteins
References	Riese., et al (1998) Bioessays. 20: 41-48. Cohen S., (1983) Cancer. 15: 1787-1791. Carpenter G., et al (1979) Annu. Rev. Biochem., 48: 193-216.

NCBI AND UNIPROT INFORMATION

NCBI GI #	166362728
NCBI GeneID	1950
NCBI Accession #	NP_001954.2

NCBI GenBank Nucleotide #	NM_001963.4
UniProt Accession #	P01133 ; Q52LZ6 ; B4DRK7 ; E7EVD2 ; E9PBF0
Molecular Weight	129,746 Da
NCBI Official Full Name	pro-epidermal growth factor isoform 1 preproprotein
NCBI Official Synonym Full Names	epidermal growth factor
NCBI Official Symbol	EGF
NCBI Official Synonym Symbols	URG; HOMG4
NCBI Protein Information	pro-epidermal growth factor; beta-urogastrone
UniProt Protein Name	Pro-epidermal growth factor
UniProt Gene Name	EGF
UniProt Synonym Gene Names	EGF
UniProt Entry Name	EGF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/egf/49002>