

EGF active protein

Recombinant Rat EGF

CATALOG #
AAA214337

HOST
E Coli

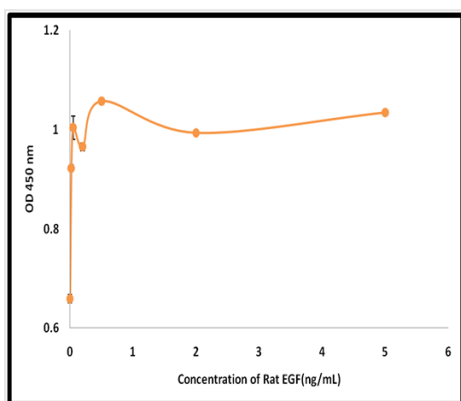
PRODUCT SYNONYMS

EGF; Recombinant Rat EGF; Epidermal Growth Factor; EGF active protein

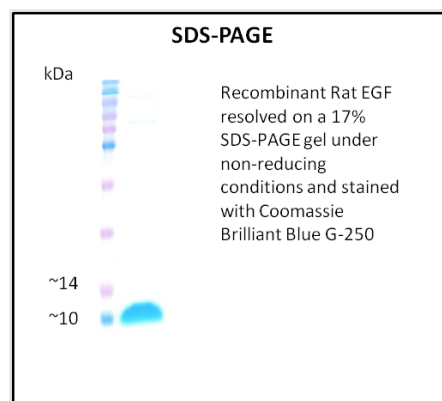
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS pH 7.5
Sequence Length	1133
Bioactivity	The ED(50) was determined by the dose-dependent proliferation of NIH3T3 cells and was found to be <0.5ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for EGF active protein	Epidermal growth factor (EGF) is a small mitogenic protein that is thought to be involved in mechanisms such as normal cell growth, oncogenesis, and wound healing. This protein shows both strong sequential and functional homology with human type-alpha transforming growth factor (hTGF alpha), which is a competitor for EGF receptor sites. EGF receptors are expressed in almost all types of tissues. Parietal endoderm, mature skeletal muscles, and hematopoietic tissues do not express the receptor. The EGF receptor, designated HER1, is a 170 kDa transmembrane glycoprotein with a length of 1186 amino acids. It is identical with a previously described glycoprotein called SA-7 (species antigen 7). The extracellular receptor domain has a length of 621 amino acids, including 11 glycosylated asparagine residues and 51 cysteine residues. This domain contains the EGF binding site and also binds mammalian TGF-alpha.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978797
NCBI GeneID	25313
NCBI Accession #	NP_036974.1
NCBI GenBank Nucleotide #	NP_036974.1
UniProt Accession #	P07522
Molecular Weight	6.2 kDa
NCBI Official Full Name	pro-epidermal growth factor
NCBI Official Synonym Full Names	epidermal growth factor
NCBI Official Symbol	Egf
NCBI Protein Information	pro-epidermal growth factor
UniProt Protein Name	Pro-epidermal growth factor
UniProt Gene Name	Egf
UniProt Synonym Gene Names	EGF
UniProt Entry Name	EGF_RAT

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/214337>