

EGF active protein

RECOMBINANT HUMAN EGF

CATALOG #
AAA50531APPLICATIONS
Western Blot, Functional Assay, ELISA

PRODUCT SYNONYMS

EGF; RECOMBINANT HUMAN EGF; EGF active protein

PRODUCT SPECIFICATIONS

Purity/Purification	>98% by SDS PAGE and HPLC analysis
Form/Format	Purified recombinant protein - lyophilised
Concentration	Approximate Protein Concentration: 1.0 mg/ml after reconstitution (varies by lot)
Sequence Length	1166
Applicable Applications for EGF active protein	WB (Western Blot), FA (Functional Assay), ELISA
Reconstitution	Reconstitute with 0.5ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AAA Biotech recommends that the vial is gently mixed after reconstitution. For extended storage, the addition of 5% trehalose is recommended. Preparation
Activity	1 x 10 ⁷ units/mg
Target Species	Human
Preparation and Storage	Prior to reconstitution store at 4 degree C. Following reconstitution store at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 3 months from date of reconstitution.

ADDITIONAL INFORMATION

Related Product Information for EGF active protein	Recombinant human epidermal growth factor is 6.2kDa globular protein composed of 53 amino acids. EGF is a polypeptide growth factor which stimulates the proliferation of a wide range of epidermal and epithelial cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296011013
NCBI GeneID	1950
NCBI Accession #	NP_001171601.1
NCBI GenBank Nucleotide #	NM_001178130.1
UniProt Accession #	P01133 ; Q52LZ6 ; B4DRK7 ; E7EVD2 ; E9PBF0
Molecular Weight	Protein Molecular Weight: 6.2 kD (53 Amino acid sequence)
NCBI Official Full Name	pro-epidermal growth factor isoform 2 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/active-protein/egf/50531>