

Epidermal Growth Factor Active Protein | EGF active protein

Active Epidermal Growth Factor (EGF)

CATALOG # AAA150091	APPLICATIONS Activity Assay, Cell Culture
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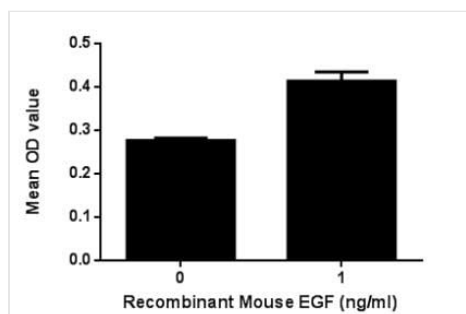
PRODUCT SYNONYMS

Epidermal Growth Factor; Active Epidermal Growth Factor (EGF); URG; Beta-Urogastrone; Pro-epidermal growth factor; EGF active protein

PRODUCT SPECIFICATIONS

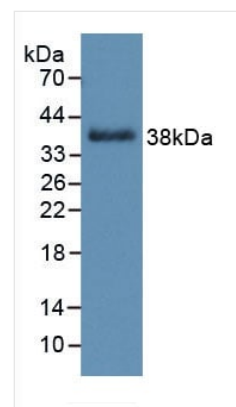
Purity/Purification	>95%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Asn977~Arg1029
Sequence Length	1217
Applicable Applications for EGF active protein	Activity Assay, Cell Culture
Species	Mouse
Tag	N-terminal His and GST Tag
Isoelectric Point	6.3
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



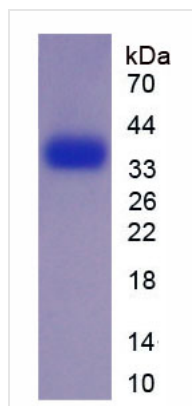
Application Data

Figure. Cell proliferation of 3T3 cells after stimulated with EGF.



WB (Western Blot)

Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for EGF active protein	Cytokine; Tumor immunity; Infection immunity
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NCBI AND UNIPROT INFORMATION

NCBI GI #	170172524
NCBI GeneID	13645
NCBI Accession #	NP_034243.2
NCBI GenBank Nucleotide #	NP_034243.2
UniProt Accession #	P01132
Molecular Weight	Predicted Molecular Mass: 36.0kDa Accurate Molecular Mass: 38kDa
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	AI790464
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_MOUSE

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/egf-active-protein/epidermal-growth-factor/150091>