

Epidermal Growth Factor (EGF) Active Protein | EGF active protein

Active Epidermal Growth Factor (EGF)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148240	E Coli	Human	Activity Assay, Cell Culture

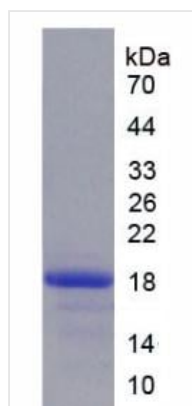
PRODUCT SYNONYMS

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

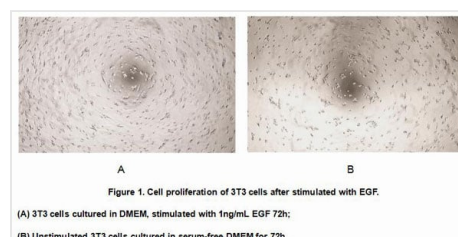
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 90%
Form/Format	Freeze-dried powder
Sequence Length	1166
Applicable Applications for EGF active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	His365~Phe487
Isoelectric Point	6

IMAGES



SDS-PAGE



Activity

Epidermal growth factor (EGF) is a growth factor that stimulates cell growth, proliferation, and differentiation by binding to its receptor EGFR. To test the effect of EGF on cell proliferation of 3T3 fibroblasts, 3T3 cells were seeded into triplicate wells of 96-well plates at a density of 2,000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of EGF. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10μL of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37 degree C. Cell proliferation of 3T3 cells after incubation with EGF for 72h observed by inverted microscope was shown in Figure 1.

ADDITIONAL INFORMATION

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

NCBI GI #	296011013
NCBI GeneID	1950
NCBI Accession #	NP_001171601.1
NCBI GenBank Nucleotide #	NM_001178130.2
UniProt Accession #	P01133; Q52LZ6; B4DRK7; E7EVD2; E9PBF0
Molecular Weight	Predicted Molecular Weight: 14.3kDa Accurate Molecular Weight: 18kDa
NCBI Official Full Name	pro-epidermal growth factor isoform 2
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
UniProt Protein Name	Pro-epidermal growth factor
UniProt Gene Name	EGF
UniProt Synonym Gene Names	EGF

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-human-active-protein/epidermal-growth-factor-egf/148240>