

Epidermal Growth Factor Recombinant Protein | EGFR recombinant protein

Recombinant Epidermal Growth Factor Receptor (EGFR)

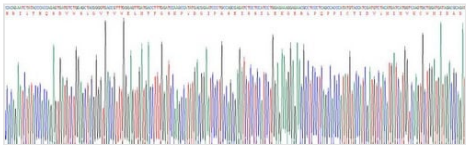
CATALOG # AAA143945	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

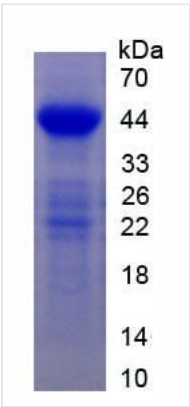
Epidermal Growth Factor; Recombinant Epidermal Growth Factor Receptor (EGFR); EGFR recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Concentration	5.2 (varies by lot)
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag. The sequence is listed below. MGSSHHHH HHSSGLVPRG SHMASMTGGQ QMGRGSEFEL RRQAC-HRIY THQSDVWSYG VTVWELMTFG SKPYDGIPAS EISSILEKGE RLPQPPICTI DVMIMVKCW MIDADSRPKF RELIEFSKM ARDPQRYLVI QGDERMHLPS PTDSNFYRAL MDEEDMDDVV DADEYLIPQQ GFFSSPSTSR TPLLSSLSAT SNNSTVACID RNLQSCPIK EDSFLQRYSS DPTGALTEDS IDDTFLPVPE YINQSVPKRP AGSVQNPVYH NQPLNPAPSR DPHYQDPHST AVGNPEYLNT VQPTCVNSTF DSPAHWAQKG SHQISLDNPD YQDFFPKEA KPNGIFKGST AENAEYLRVA PQSSEFIGA
Sequence Length	53
Applicable Applications for EGFR recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	41.0kDa
Accurate Molecular Mass (KD)	44kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	N-terminal His-Tag, T7 tag
Organism Species	Homo sapiens (Human)
Fragment	Ser1998~Ser2107
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. 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 of this protein is less than 5% within the expiration date under appropriate storage condition.



Application Data



SDS-PAGE

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                                     HRI YTHQSDVWSY
GVTVWELMTF GSKPYDGIPA SEISSILEKG ERLPQPPICT IDVYMIMVKC
WMIDADSRPK FRELIIEFSK MARDPQRYLV IQGDERMHLP SPTDSNFYRA
LMDEEDMDDV VDAEYLIPQ QGFFSPSTS RTPLLSSLSA TSNNSTVACI
DRNGLQSCPI KEDSFLQRYV SDPTGALTED SIDDTFLLPV EYINQSVPKR
PAGSVQNPVY HNQPLNPAPS RDPHYQDPHS TAVGNPEYLN TVQPTCVNST
FDSPAHWAKQ GSHQISLDNP DYQQDFFPKE AKPNGIFKGS TAENAEYLRV
APQSSEFIGA
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	374922206
NCBI GeneID	1950
Molecular Weight	129,746 Da
NCBI Official Full Name	epidermal growth factor, partial
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
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.