

EGFR/HER1 Recombinant Protein | EGFR recombinant protein

Recombinant Mouse EGFR/HER1 Protein

CATALOG #
AAA283396

HOST
HEK293 cells

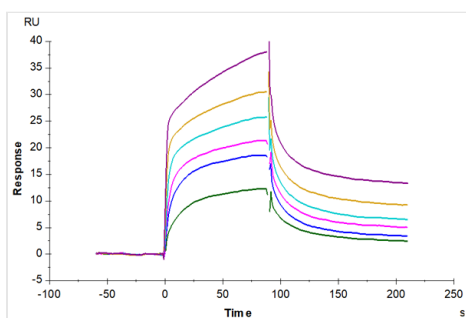
PRODUCT SYNONYMS

EGFR/HER1; Recombinant Mouse EGFR/HER1 Protein; Egfr; Epidermal growth factor receptor; EGFR recombinant protein

PRODUCT SPECIFICATIONS

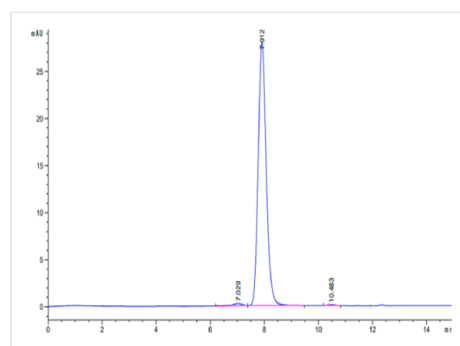
Host	HEK293 cells
Purity/Purification	>95% by Tris-Bis PAGE and HPLC.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	LEEKKVCQGT SNRLTQLGTF EDHFLSLQRM YNNCEVVLGN LEITYVQRNY DLSFLKTIQE VAGYVLIALN TVERIPLNL QIIRGNALYE NTYALAILSN YGTNRTGLRE LPMRNLQEIL IGAVRFSNNP ILCNMDTIQW RDIVQNVFMS NMSMDLQSHP SSCPKCDPSC PNGSCWGGGE ENCQKLTKII CAQQCSHRCR GRSPSDCCHN QCAAGCTGPR ESDCLVCQKF QDEATCKDTC PPLMLYNPTT YQMDVNPEGK YSFGATCVKK CPRNYVVDH GSCVRACGPD YYEVEEDGIR KCKKCDGPCR KVCNGIGIGE FKDTLSINAT NIKHFKYCTA ISGDLHILPV AFKGDSFTRT PPLDPRELEI LKTVKEITGF LLIQAWPDNW TDLHAFENLE IIRGRTKQHG QFSLAVVGLN ITSLGLRLSK EISDGDVIIS GNRNLCYANT INWKKLFGRP NQTKIMNNR AEKDCKAVNH VCNPLCSSEG CWGPEPRDCV SCQNVSRGRE CVEKCNILEG EPREFVENSE CIQCHPECLP QAMNITCTGR GPDNCIQCAH YIDGPHCVKT CPAGIMGENN TLWKYADAN NVCHLCHANC TYGCAGPGLQ GCEVWPSGPK IPSIATGI
Species	Mouse
Tag	C-6His
Endotoxin	<1EU/ug of the protein by LAL method.
Bio-Activity	Recombinant Mouse EGFR/HER1 Protein captured on CM5 Chip via anti-his antibody can bind Mouse EGF, hFc Tag with an affinity constant of 9.96 nM as determined in SPR assay (Biacore T200).
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.

IMAGES



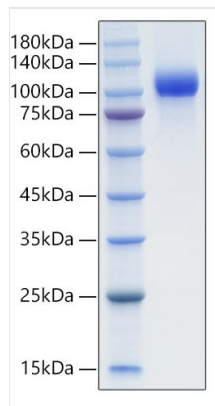
Application Data

Recombinant Mouse EGFR/HER1 Protein captured on CM5 Chip via anti-his antibody can bind Mouse EGF, hFc Tag with an affinity constant of 9.96 nM as determined in SPR assay (Biacore T200).



Application Data

The purity of Mouse EGFR is greater than 95% as determined by SEC-HPLC.



SDS-PAGE

Recombinant Mouse IL-21 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-140kDa.

ADDITIONAL INFORMATION

Related Product Information for EGFR recombinant protein	As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF-alpha, betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently.
Product Categories/Family for EGFR recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	46560582
NCBI GeneID	13649
NCBI Accession #	NP_997538.1
NCBI GenBank Nucleotide #	NM_207655.2
UniProt Accession #	Q01279
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	Egfr
UniProt Entry Name	EGFR_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://www.aaabiotech.com/egfr-recombinant-protein-hek293/283396>