

EGFR / HER1 / ErbB1 active protein

Recombinant Human EGFR / HER1 / ErbB1 (aa 668-1210) Protein (His & GST tag)

CATALOG # AAA173510	HOST Baculovirus-Insect cells
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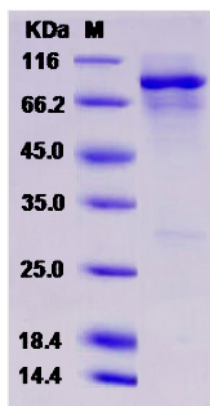
PRODUCT SYNONYMS

EGFR / HER1 / ErbB1; Recombinant Human EGFR / HER1 / ErbB1 (aa 668-1210) Protein (His & GST tag); EGF R; ErbB; HER1; mENA; ErbB1; PIG61; EGFR / HER1 / ErbB1 active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus-Insect cells
Purity/Purification	> 85 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% mannitol, 0.01% Tween-80
Sequence	Met668-Ala 1210
Sequence Length	1210
Predicted N Terminal	Met
Species	Human
Tag	N-HIS-GST
Bio activity	The specific activity was determined to be 105 nmol/min/mg using Poly(Glu:Tyr):4:1 as substrate (see Activity Assay Protocol)
Endotoxin	<1.0 EU per mug protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water (200 uL) be added to the vial to prepare a stocksolution of 0.25 mg/mL.
Preparation and Storage	< 1.0 EU per ug protein as determined by the LAL method. Samples are stable for up to twelve months from date of receipt at -70°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for EGFR / HER1 / ErbB1 active protein	Background: 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. Description: A DNA sequence encoding the cytoplasmic domain (Met 668-Ala 1210) of human EGFR (NP_005219) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29725609
NCBI GeneID	1956
NCBI Accession #	NP_005219
NCBI GenBank Nucleotide #	NM_005228.4
UniProt Accession #	P00533; O00688; O00732; P06268; Q14225; Q68GS5; Q92795; Q9BZS2; Q9GZX1; Q9H2C9; Q9H3C9; Q9UMD7
Molecular Weight	89.1 kDa
NCBI Official Full Name	epidermal growth factor receptor isoform a
NCBI Official Synonym Full Names	epidermal growth factor receptor
NCBI Official Symbol	EGFR
NCBI Official Synonym Symbols	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2
NCBI Protein Information	epidermal growth factor receptor
UniProt Protein Name	Epidermal growth factor receptor
UniProt Gene Name	EGFR
UniProt Synonym Gene Names	ERBB; ERBB1; HER1

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.