

Active Recombinant Human EGFR protein, Fc-tagged

Cat. No. EGFR-629H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein (25-378aa), was expressed in HEK293 with C-terminal Fc tag.
Species	Human
Source	HEK293
ProteinLength	25-378 aa
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human EGFRVIII, Fc Tag at 2 µg/mL (100 µL/well) can bind Anti-EGFRVIII Antibody, Human IgG1 with a linear range of 0.1-8 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminusThe protein has a calculated MW of 65.1 kDa. The protein migrates as 90-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please protect from light and avoid repeated freeze-thaw cycles.This product is

 Tel: 1-631-559-9269 1-516-512-3133

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stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [EGFR epidermal growth factor receptor \[Homo sapiens \]](#)

Official Symbol [EGFR](#)

Synonyms

EGFR; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) , ERBB; ERBB1; erythroblastic leukemia viral (v erb b) oncogene homolog (avian); proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; ERBB; HER1; mENA; PIG61;

Gene ID [1956](#)

mRNA Refseq [NM_005228](#)

Protein Refseq [NP_005219](#)

MIM [131550](#)

UniProt ID [P00533](#)

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