

## Active Recombinant Human EGFR protein, IFc-tagged

Cat. No. EGFR-344H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EGFR Protein (25-645aa), was expressed in HEK293 with C-terminal Llama IgG2b Fc tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	25-645 aa
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human EGF, His Tag at 5 µg/mL (100 µL/well) can bind Human EGF R, Llama IgG2b Fc Tag with a linear range of 0.2-5 ng/mL. Immobilized Human EGF R, Llama IgG2b Fc Tag at 2 µg/mL (100 µL/well) can bind Cetuximab with a linear range of 0.3-5 ng/mL. Please note that there may be a cross-reaction between anti-human IgG Fc antibodies and llama IgG Fc tag, also between anti-llama IgG Fc antibodies and human IgG Fc tag.
<b>Molecular Mass</b>	This protein carries a llama IgG2b Fc tag at the C-terminus. The protein has a calculated MW of 96.4 kDa. The protein migrates as 115-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Leu25-Ser645

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<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by reduced SDS-PAGE.
<b>Storage</b>	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	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

<b>Gene Name</b>	EGFR epidermal growth factor receptor [ Homo sapiens ]
<b>Official Symbol</b>	EGFR
<b>Synonyms</b>	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;
<b>Gene ID</b>	1956
<b>mRNA Refseq</b>	NM_005228
<b>Protein Refseq</b>	NP_005219

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<b>MIM</b>	131550
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<b>UniProt ID</b>	P00533
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