

## Active Recombinant Human EGFR Protein, His-tagged

Cat. No. EGFR-3803H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active Recombinant Human EGFR Protein(Met 1-Lys 642)(NP_005219) was expressed in Insect Cells with a C-terminal polyhistidine tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-642 aa
<b>Form</b>	Lyophilized from sterile 20mM Tris, 50mM NaCl, 3mM DTT, 0.5mM TCEP, pH 7.4.
<b>Bio-activity</b>	Measured by its binding ability in a functional ELISA. Immobilized human EGF at 10 µg/ml can bind human EGFR with a linear range of 3.2-400 ng/ml.
<b>Molecular Mass</b>	The recombinant human EGFR consists of 626 amino acids and has a calculated molecular mass of 69.2 kDa. The recombinant protein migrates as an approximately 75 kDa protein in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA