

Active Recombinant Human EGFR Protein, His-tagged

Cat. No. EGFR-1525H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human EGFR Protein(Met 1-Lys 642)(NP_005219) was expressed in Insect Cells with a C-terminal polyhistidine tag.
Species	Human
Source	Insect Cells
ProteinLength	1-642 aa
Form	Lyophilized from sterile 20mM Tris, 50mM NaCl, 3mM DTT, 0.5mM TCEP, pH 7.4.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	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.

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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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