

Active Recombinant Human EGFR Protein, His-tagged

Cat. No. EGFR-203H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein (NP_005219.2, 1-640aa), was expressed in CHO with C-terminal His tag.
Species	Human
Source	CHO
ProteinLength	1-640 aa
Form	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized human EGED-His at 2 µg/ml (100 µl/well) can bind human Fc-EGF, the EC50 of human Fc-EGF is 30-110 ng/mL.
Molecular Mass	The recombinant human EGFR consists of 624 amino acids and predicts a molecular mass of 69.17 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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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.

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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