

Biotinylated Recombinant Human EGFR Protein, C-6His-Avi tagged

Cat. No. EGFR-07H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Epidermal Growth Factor Receptor (ErbB1) Protein extracellular domain (25-378aa), was expressed in Mammalian system with C-terminal 6His tag and Avi tag, biotinylated conjugate.
Species	Human
Source	Mammalian Cells
ProteinLength	25-378 aa
Conjugation/Label	Biotin
Form	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Bio-activity	Loaded Anti-Human EGFR mAb on Pro-A Biosensor, can bind Biotinylated Human EGFR vIII (C-6His-Avi) with an affinity constant of 3.64 nM as determined in BLI assay.
Molecular Mass	41.5 KDa
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	Greater than 95% as determined by reducing SDS-PAGE.

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Storage Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than $100\mu\text{g/ml}$. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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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Activity
SDS-PAGE

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