

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

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

SPECIFICATION

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|--------------------------|---|
| 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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SDS-PAGE

Activity

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