

Biotinylated Active Recombinant Human EGFR protein, His/Avi-tagged

Cat. No. EGFR-052H Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Human EGFR Protein (25-645aa), was expressed in HEK293 cells with C-terminal His/Avi tag and biotinylated conjugate. |
| Species | Human |
| Source | HEK293 |
| ProteinLength | 25-645 aa |
| Form | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization. |
| Bio-activity | Immobilized Cetuximab at 2 µg/mL (100 µL/well) can bind Biotinylated Human EGFR, His,Avitag with a linear range of 2-6 ng/mL. |
| Molecular Mass | The protein has a calculated MW of 72.3 kDa. The protein migrates as 90-125 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| Endotoxin | Less than 1.0 EU per µg by the LAL method. |
| Purity | >90% as determined by SDS-PAGE. >90% as determined by SEC-MALS. |
| Storage | For long term storage, the product should be stored at lyophilized state at -20 |

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centigrade or lower.
 Please avoid repeated freeze-thaw cycles.
 This product is stable after storage at:
 -20 centigrade to -70 centigrade for 12 months in lyophilized state;
 -70 centigrade for 3 months under sterile conditions after reconstitution.

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.

Conjugation Biotin

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

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UniProt ID

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