

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

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

SPECIFICATION

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 EGF R, 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

P00533

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