

Biotinylated Active Recombinant Human EGFR protein(1-378aa), His and Avi-tagged

Cat. No. EGFR-1358H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFRVIII Protein (NP_001333870.1, 1-378aa), was expressed in Insect Cells with C-terminal His tag, AVI tag and biotinylated conjugate.
Species	Human
Source	Insect Cells
ProteinLength	1-378 aa
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH 6.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Anti-EGFR(MK)-IgG1 Antibody (Cetuximab) at 2 µg/mL (100 µL/well) can bind EGFR Protein, Human, Recombinant (ECD, His & AVI Tag), Biotinylated, the EC50 is 30-90 ng/mL.
Molecular Mass	The recombinant Human EGFRVIII consists of 379 amino acids and predicts a molecular mass of 41.8 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.
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
UniProt ID	P00533

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