

Active Recombinant Human EGFR protein, Fc-tagged, APC labeled

Cat. No. EGFR-024HA **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein, was expressed in HEK293 with Fc tag and NH ₂ -Reactive APC (Allophycocyanin) conjugate.
Species	Human
Source	HEK293
ProteinLength	1-645 aa
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human EGF at 10 µg/ml (100 µl/well) can bind human EGFR with a linear range of 0.64-400 ng/ml.
Molecular Mass	The recombinant human EGFR/Fc chimera is a homodimeric protein. The reduced monomer consists of 860 amino acids and has a calculated molecular mass of 95 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 110-140 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 97 % as determined by SDS-PAGE. >85% as determined by SEC-HPLC
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	APC

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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