

Recombinant Human EGFR Protein, ECD, Tag Free, Biotinylated

Cat. No. EGFR-073H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human EGFR (erbb1) Protein, was expressed in CHO cells without tag.
Species	Human
Source	CHO
ProteinLength	ECD
Description	The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2).
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

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Applications	ELISA, WB
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	Recombinant EGFR can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 to -70 centigrade for 1 year. It is recommended to add 0.1% HSA or BSA for long term storage. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilised from 0.2 µm filtered PBS pH 7.4 with 10% trehalose.
Reconstitution	Upon receipt a quick spin of the vial followed by reconstitution in sterile PBS pH 7.4 to a concentration not less than 0.1 mg/mL. Solubilize for 1hr at room temp with gentle mixing.
Conjugation	Biotin

GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens (human)]
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

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mRNA Refseq	NM_005228
Protein Refseq	NP_005219
MIM	131550
UniProt ID	P00533

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