Recombinant Human EGFR Protein, His-tagged, Alexa Fluor 488 conjugated

Cat. No. EGFR-3803HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein (NP_005219, 1-642aa), was expressed in Baculovirus-Insect cells with C-terminal polyhistidine tag and Alexa Fluor 488 conjugate.
Species	Human
Source	Insect Cells
ProteinLength	1-642 aa
Form	Lyophilized
Molecular Mass	The recombinant human EGFR consists of 626 amino acids and has a calculated molecular mass of 69.2 kDa. The recombinant protein migrates as an approximately 75 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.

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Storage	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile 20 mM Tris, 50 mM NaCl, 3vmM DTT, 0.5 mM TCEP, pH 7.4
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens]
Official Symbol	EGFR
Gene ID	1956
mRNA Refseq	NM_005228
Protein Refseq	NP_005219
MIM	131550
UniProt ID	P00533

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