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

Cat. No. EGFR-31HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein cytoplasmic domain (NP_005219, 668-1210aa), was produced in Baculovirus-Insect cells with N-terminal His-tagged GST tag and Alexa Fluor 488 conjugate.
Species	Human
Source	Insect Cells
ProteinLength	668-1210 aa
Form	Liquid
Bio-activity	The specific activity was determined to be 140 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.
Molecular Mass	89.1 kDa
N-terminal Sequence Analysis	Met
Endotoxin	< 1.0 EU/ μg protein as determined by the LAL method.
Purity	> 85 % as determined by SDS-PAGE

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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 -20 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
Shipping	Shipped out with blue ice.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens (human)]
Official Symbol	EGFR
Synonyms	EGFR; epidermal growth factor receptor; EC 2.7.10.1; ERBB; ERBB1; HER1; PIG61; mENA; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog); epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian); EC 2.7.10; Proto-oncogene c-ErbB-1; OTTHUMP00000159661; OTTHUMP00000159662; OTTHUMP00000159663; OTTHUMP00000209210; OTTHUMP00000209211

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Gene ID	1956
mRNA Refseq	NM_005228
Protein Refseq	NP_005219
MIM	131550
UniProt ID	P00533

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