

# Recombinant Monkey EGFR Protein, His-tagged, Alexa Fluor 488 conjugated

Cat. No. EGFR-61CAF488 Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rhesus macaque EGFR Protein (25-645aa), was expressed in human 293 cells (HEK293) with C-terminal His tag and Alexa Fluor 488 conjugate.
<b>Species</b>	Monkey
<b>Source</b>	HEK293
<b>ProteinLength</b>	25-645 aa
<b>Description</b>	The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). Mutations affecting EGFR expression or activity could result in cancer.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The protein has a calculated MW of 70.5 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>N-terminal Sequence Analysis</b>	Leu 25

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<b>Endotoxin</b>	< 1.0 EU/ µg by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
<b>Storage Buffer</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 488

## GENE INFORMATION

<b>Gene Name</b>	EGFR
<b>Official Symbol</b>	EGFR
<b>Gene ID</b>	613027

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mRNA Refseq XM\_015133436

Protein Refseq XP\_014988922

UniProt ID P55245

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