

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

Cat. No. EGFR-1226RAF488 Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Rhesus macaque EGFR Protein (25-645aa), was expressed in human 293 cells (HEK293) with C-terminal human IgG1 Fc tag and Alexa Fluor 488 conjugate.

**Species** Monkey

**Source** HEK293

**ProteinLength** 25-645 aa

**Description** 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.

**Form** Lyophilized

**Molecular Mass** The protein has a calculated MW of 95.3 kDa. The protein migrates as 130-140 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**N-terminal Sequence Analysis** Leu 25

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |  |
|-----------------------|--|
| <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<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>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.<br>Please avoid repeated freeze-thaw cycles.<br>This product is stable after storage at:<br>-20 to -70 centigrade for 12 months in lyophilized state;<br>-70 centigrade for 3 months under sterile conditions after reconstitution. |
| <b>Storage Buffer</b> | Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 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 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



|                       |              |
|-----------------------|--------------|
| <b>Gene ID</b>        | 613027       |
| <b>mRNA Refseq</b>    | XM_015133436 |
| <b>Protein Refseq</b> | XP_014988922 |
| <b>UniProt ID</b>     | P55245       |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA