

# Recombinant Monkey EGFR Protein, His-tagged, FITC conjugated

**Cat. No.** EGFR-1227RF    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant Rhesus EGFR Protein (XP_001107305.1, 1-645aa), was expressed in Insect Cells with C-terminal His tag and FITC conjugate. |
| <b>Species</b>                      | Monkey                                                                                                                               |
| <b>Source</b>                       | Insect Cells                                                                                                                         |
| <b>ProteinLength</b>                | 1-645 aa                                                                                                                             |
| <b>Form</b>                         | Lyophilized                                                                                                                          |
| <b>Molecular Mass</b>               | The recombinant rhesus EGFR consists 632 amino acids and predicts a molecular mass of 70.1 kDa.                                      |
| <b>N-terminal Sequence Analysis</b> | Leu 25                                                                                                                               |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                         |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE                                                                                                     |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser               |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm                                                                                                                            |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                          |
| <b>Storage</b>        | 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.                     |
| <b>Storage Buffer</b> | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0, 5%-8% trehalose and mannitol.                                                                                  |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | FITC                                                                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                    |
|------------------------|----------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | EGFR epidermal growth factor receptor [ <i>Macaca mulatta</i> ]                                    |
| <b>Official Symbol</b> | EGFR                                                                                               |
| <b>Synonyms</b>        | epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian) |
| <b>Gene ID</b>         | 613027                                                                                             |

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