

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EGFR Protein (NP_005219, 1-642aa), was expressed in Baculovirus-Insect cells with C-terminal polyhistidine tag and FITC conjugate.                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                              |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-642 aa                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                       |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>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.                                                                                                                                     |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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, 50 mM NaCl, 3mM DTT, 0.5 mM TCEP, pH 7.4                                                                                             |
| <b>Reconstitution</b> | 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. |
| <b>Conjugation</b>    | FITC                                                                                                                                                                      |

## GENE INFORMATION

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

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