

# Recombinant Mouse Egfr Protein, Fc-tagged, FITC conjugated

**Cat. No.** EGFR-102MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse EGFR Protein extracellular domain (Q01279, 1-647aa), was produced in Human Cell with C-terminal human IgG1 Fc tag and FITC conjugate.                                                                                                                                                             |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-647 aa                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | The secreted recombinant mouse EGFR/Fc is a disulfide-linked homodimer. The reduced monomer comprises 864 amino acids and has a calculated molecular mass of 96 kDa. As a result of glycosylation, the apparent molecular mass of rmEGFR/Fc monomer is approximately 130 kDa 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 PBS, 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>       | <a href="#">Egfr epidermal growth factor receptor [ Mus musculus ]</a> |
| <b>Official Symbol</b> | <a href="#">EGFR</a>                                                   |
| <b>Gene ID</b>         | <a href="#">13649</a>                                                  |
| <b>mRNA Refseq</b>     | <a href="#">NM_007912</a>                                              |
| <b>Protein Refseq</b>  | <a href="#">NP_031938</a>                                              |

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