

## Recombinant Mouse EGFR protein(1-647aa), hFc-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse EGFR Protein (Q01279, 1-647aa), was expressed in HEK293 with C-terminal human IgG1 Fc tag.                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-647 aa                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                                      |
| <b>Bio-activity</b>     | Measured by its ability to bind human EGF in a functional ELISA.                                                                                                                                                                                                                                                    |
| <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 per µg of the protein as determined by the LAL method                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein                                                                                                                                          |

 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

be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** Egfr epidermal growth factor receptor [ Mus musculus ]

**Official Symbol** EGFR

**Synonyms** EGFR; epidermal growth factor receptor; waved 2; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; Wa5; wa2; Erbb; Errp; wa-2; A1552599; 9030024J15Rik;

**Gene ID** 13649

**mRNA Refseq** NM\_007912

**Protein Refseq** NP\_031938

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