

## Active Recombinant Cynomolgus EGFR protein(Met1-Ser645), His-tagged

**Cat. No.** EGFR-3383C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Cynomolgus EGFR Protein (XP_005549616.1, 1-645aa), was expressed in HEK293 with C-terminal His tag.                                                                                                                                                                                                                                        |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-645 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>     | 1. Immobilized EGF Protein, Human, Recombinant (ECD, hFc Tag) at 2 µg/mL (100 µL/well) can bind EGFR Protein, Cynomolgus, Recombinant (ECD, His Tag), the EC50 is 150-500 ng/mL. 2. Immobilized Anti-EGFR(MK)-IgG1 Antibody (Cetuximab) at 2 µg/mL (100 µL/well) can bind EGFR Protein, Cynomolgus, Recombinant (ECD, His Tag), the EC50 is 2-8 ng/mL. |
| <b>Molecular Mass</b>   | The recombinant cynomolgus EGFR consists of 632 amino acids and predicts a molecular mass of 70.1 kDa. As a result of glycosylation, it migrates as an approximately 93.8 kDa band in SDS-PAGE under reducing conditions.                                                                                                                              |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                                                                                                                               |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE. >90% as determined by SEC-HPLC                                                                                                                                                                                |
| <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 be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | 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.                                                                   |

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