

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

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

SPECIFICATION

Product Overview	Recombinant Cynomolgus EGFR Protein (XP_005549616.1, 1-645aa), was expressed in HEK293 with C-terminal His tag.
Species	Cynomolgus
Source	HEK293
ProteinLength	1-645 aa
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE. >90% as determined by SEC-HPLC
Storage	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.
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.

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