Cynomolgus EGF R Protein, His Tag, low endotoxin (MALS verified)

Catalog # EGR-C52H3

Synonyms

EGFR, ERBB, ERBB1, HER1, PIG61, mENA

Source

Cynomolgus EGF R Protein, His Tag (EGR-C52H3) is expressed from human 293 cells (HEK293). It contains AA Leu 25 - Ser 645 (Accession # XP_005549616.1).

Predicted N-terminus: Leu 25

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 70.6 kDa. The protein migrates as 80-110 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per μg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

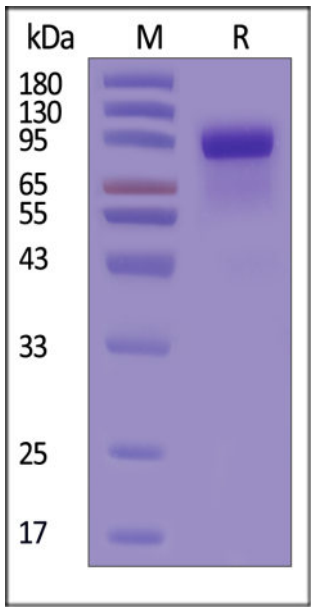
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

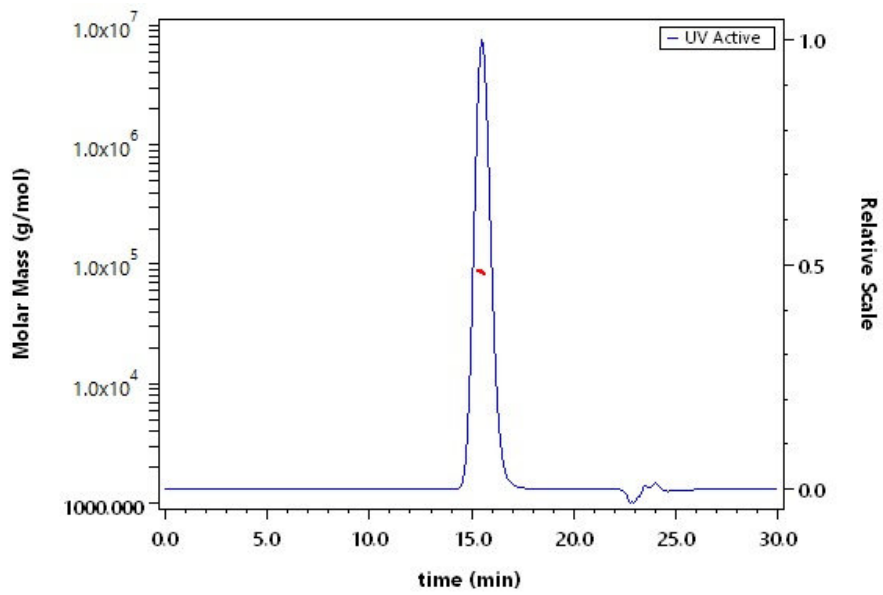
- QMS(ISO, GMP)
- Quality Advantages
- Quality Control Process

SDS-PAGE



Cynomolgus EGF R Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

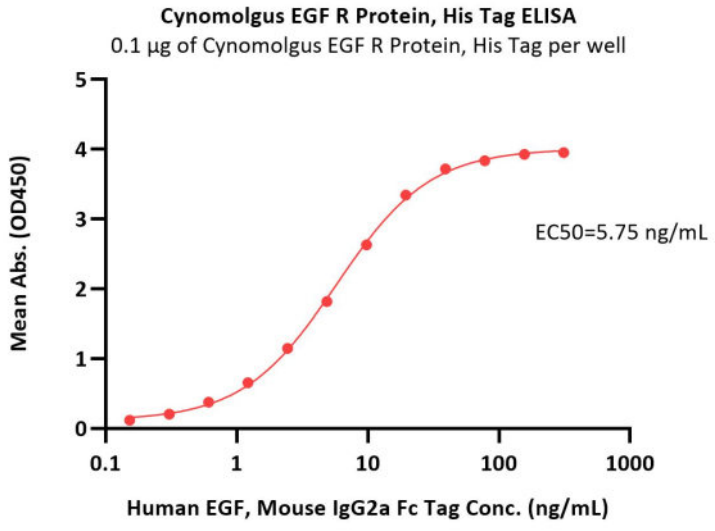
SEC-MALS



The purity of Cynomolgus EGF R Protein, His Tag (Cat. No. EGR-C52H3) is more than 95% and the molecular weight of this protein is around 75-105 kDa verified by SEC-MALS.

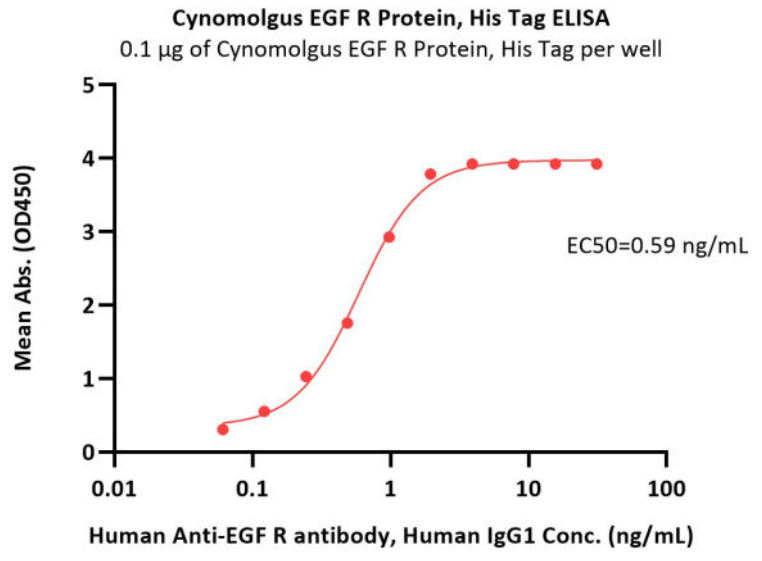
Activity-ELISA

Receptor/Ligand



Immobilized Cynomolgus EGF R Protein, His Tag (Cat. No. EGR-C52H3) at 1 μg/mL (100 μL/well) can bind Human EGF, Mouse IgG2a Fc Tag (Cat. No. EGF-H525b) with a linear range of 0.2-10 ng/mL (QC tested).

Antibody



Immobilized Cynomolgus EGF R Protein, His Tag (Cat. No. EGR-C52H3) at 1 μg/mL (100 μL/well) can bind Human Anti-EGF R antibody, Human IgG1 (Cat. No. EGR-C52H3) with a linear range of 0.06-2 (Routinely tested).

Background

The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). Mutations affecting EGFR expression or activity could result in cancer.

Discounts, Gifts, and more!