

PRODUCT INFORMATION

Target EGFR

Synonyms Domian IV

Recombinant human EGFR(446-621) Protein with **Description**

C-terminal human Fc tag

Delivery In Stock **Uniprot ID** P00533 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

EGFR(Thr446-His621) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 45.3 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a

transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations are associated with lung

Background

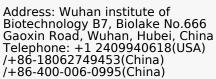
cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). [provided

by RefSeq, Jul 2020]

Usage Research use only

Conjugate Unconjugated

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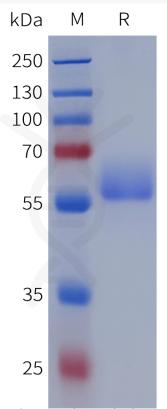


Figure 1. Human EGFR(446-621) Protein, hFc Tag on SDS-PAGE under reducing condition.

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