

PRODUCT INFORMATION

EGFR Target

ERBB, ERRP, HER1, mENA, ERBB1, NNCIS, PIG61, **Synonyms**

NISBD2

Recombinant human EGFR(313-445) Protein with **Description**

C-terminal human Fc tag

Delivery In Stock P00533 **Uniprot ID Expression Host** HFK293

Tag C-Human Fc tag

Molecular

Purity

EGFR(Ala313-Ile445) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 41.0 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 % Formulation & - 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis

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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing).

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. **Background**

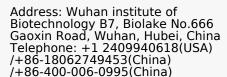
Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). [provided

by RefSeq, Jul 2020]

Usage Research use only

Conjugate Unconjugated







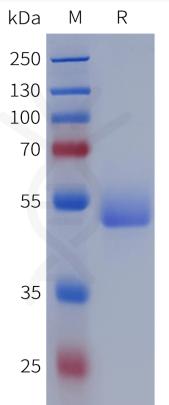
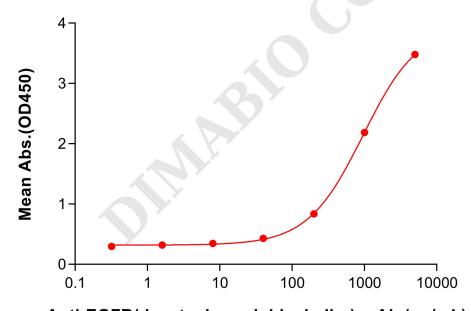


Figure 1. Human EGFR(313-445) Protein, hFc Tag on SDS-PAGE under reducing condition.

Human EGFR(313-445), hFc tagged protein ELISA

0.2 μg of Human EGFR(313-445), hFc tagged protein per well



Anti-EGFR(depatuxizumab biosimilar) mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human EGFR(313-445) Protein, hFc Tag (PME101867) can bind Anti-EGFR(depatuxizumab biosimilar) mAb (BME100252) in a linear range of 200–1000 ng/mL.In order to specifically detect BME100252, mouse anti-human Fab-specific antibody was used as detection antibody.

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