

PRODUCT INFORMATION

HGF Target

SF; HGFB; HPTA; F-TCF; DFNB39 **Synonyms**

Recombinant human HGF(1-728) Protein with C-Description

terminal human Fc tag

Delivery In Stock **Uniprot ID** P14210 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Molecular Weight

Background

HGF(Met1-Ser728) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

109.3 kDa after removal of the signal peptide. The apparent molecular mass of HGF(1-728)-hFc is approximately 70-130 kDa due to glycosylation.

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

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before 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.

This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing results in multiple transcript variants, at

least one of which encodes a preproprotein that is proteolytically processed to generate alpha and beta chains, which form the mature heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis, tumorogenesis, and tissue

regeneration. Although the encoded protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are associated with nonsyndromic hearing loss. [provided by RefSeq, Nov 2015]

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Usage Research use only

Conjugate Unconjugated



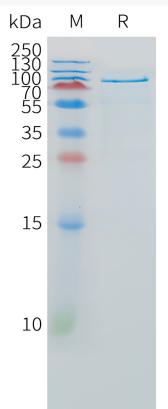


Figure 1. Human HGF(1-728) Protein, hFc Tag on SDS-PAGE under reducing condition.

Human HGF(1-728), hFc Tagged protein ELISA

0.2 μg of Human HGF(1-728), hFc tagged protein per well

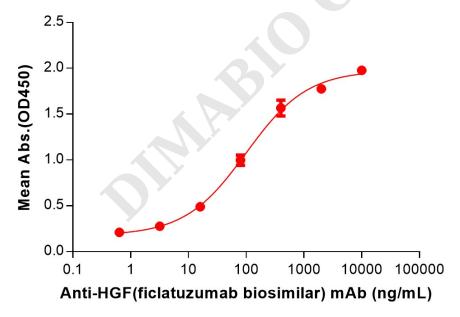


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human HGF(1-728) Protein, hFc Tag (PME101528) can bind Anti-HGF(ficlatuzumab biosimilar) mAb (BME100139) in a linear range of 16-2000 ng/mL.

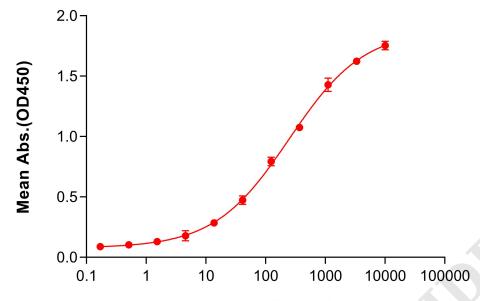
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Human HGF(1-728), hFc Tagged protein ELISA

0.2 μg of Human MET, His tagged protein per well



Human HGF(1-728), hFc Tagged protein (ng/mL)

Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human MET Protein, His (PME101405) can bind Human HGF(1-728), hFc (PME101528) in a linear range of 13.72–1111.11 ng/mL.

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