PRODUCT INFORMATION

Target HGF

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

Recombinant Human HGF with C-terminal Human Description Fc tag

In Stock

Uniprot ID P14210 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

Delivery

HGF(Gln32-Ser728) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 105.8 kDa after removal of the signal peptide. The apparent molecular mass of HGF-hFc is

Molecular Weight

approximately 100-130 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 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & 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 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

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hearing loss. [provided by RefSeq, Nov 2015]

Research use only

Usage Conjugate Unconjugated



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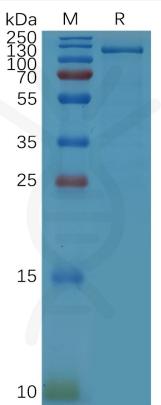


Figure 1. Human HGF Protein, hFc Tag on SDS-PAGE under reducing condition.

Human HGF, hFc Tagged protein ELISA

0.2 μg of Human MET, His tagged protein per well

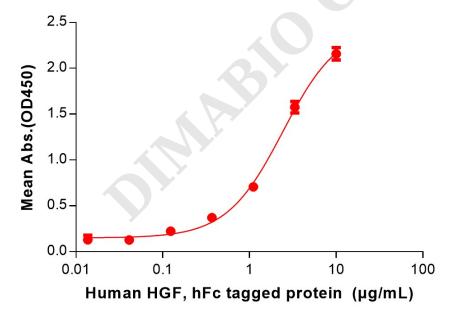


Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human MET Protein, His Tag (PME101405) can bind Human HGF Protein, hFc Tag (PME101092) in a linear range of 0.37–10 μ g/ml.

