

## **PRODUCT INFORMATION**

IGFBP7 **Target** 

**Synonyms** IBP-7;TAF;IGFBP-rP1;MAC25 protein

Recombinant human IGFBP7 Protein with N-**Description** 

terminal Human Fc tag

**Delivery** In Stock **Uniprot ID** Q16270 **Expression Host HEK293** 

Tag N-Human Fc Tag

Molecular

Purity

**Background** 

hFc(Glu99-Ala330) IGFBP7(Asp30-Leu282) Characterization

The protein has a predicted molecular mass of

52.3 kDa after removal of the signal peptide. The apparent molecular mass of hFc-IGFBP7 is **Molecular Weight** approximately 55-70 kDa due to glycosylation.

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 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 member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described

for this gene, and one variant has been associated with retinal arterial macroaneurysm

(PMID:21835307). [provided by RefSeq, Dec

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**Usage** Research use only Conjugate Unconjugated





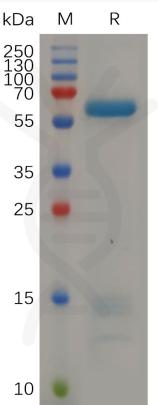


Figure 1.Human IGFBP7, N-hFc Tag on SDS-PAGE under reducing condition.

## Human IGFBP7, hFc Tagged protein ELISA

 $0.2~\mu g$  of Human IGFBP7, hFc tagged protein per well

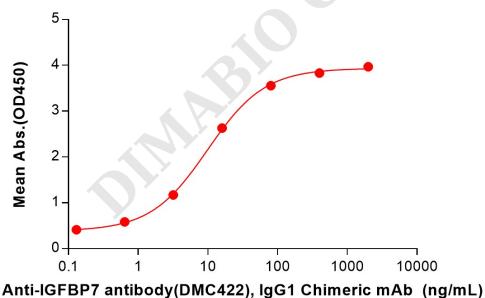
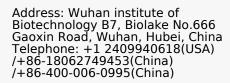


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human IGFBP7 Protein, hFc Tag (PME100696) can bind Anti-IGFBP7 antibody(DMC422), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.



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