# **Recombinant Human IGFBP-7 Protein**

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Catalog No.: RP02738 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 3490 016270

## Tags

N-His

#### **Synonyms**

IGFBP-7; IBP7; AGM; FSTL2; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF ;IGFBP7;igfbp7

## **Product Information**

**Source** Purification HEK293 cells ≥ 90% as

determined by SDS-

PAGE.

Calculated MW Observed MW

27.02 kDa 35-40 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

## **Formulation**

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4.

## Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

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## **Background**

IGFBP-7, also known as Mac25/Angiomodulin (AGM), GFBP-rp1, tumor-derived adhesion factor (TAF) and prostacyclin-stimulating factor (PSF), is a secreted protein that contains three protein domain modules. Human IGFBP-rp1 cDNA encodes 282 amino acid (aa) residue precursor protein with a putative 26 aa signal peptide. IGFBP-7 binds IGF-I and IGF-II with a relatively low affinity. Stimulates prostacyclin (PGI2) production. Stimulates cell adhesion.

## **Basic Information**

#### **Description**

Recombinant Human IGFBP-7 Protein Protein is expressed from Expi293 with His tag at the N-terminal.∏It contains Asp30-Leu282

## **Bio-Activity**

Measured by its binding ability in a functional ELISA. Immobilized human IGFBP7 (Catalog: RP02738) at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind human CD93 (Catalog: RP00164) with a linear range of 0.17-290.4 ng/mL.

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at  $-20^{\circ}$ C. Store the lyophilized protein at  $-20^{\circ}$ C to  $-80^{\circ}$ C up to 1 year from the date of receipt.

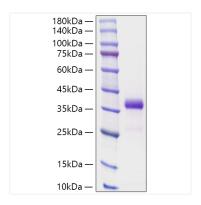
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

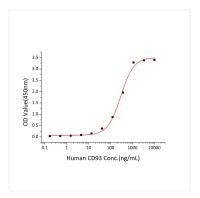
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human IGFBP-7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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