

# Recombinant Human IGFBP-7 Protein

Catalog No.: RP02738 **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 3490    | Q16270     |

### Tags

N-His

### Synonyms

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

## Product Information

| Source       | Purification   |
|--------------|--|
| HEK293 cells | > 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC |

| Calculated MW | Observed MW |
|---------------|-------------|
| 27.02 kDa     | 35-40 kDa   |

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation

Lyophilized from a 0.22 µm 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 stabilizer (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 (PGI<sub>2</sub>) 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

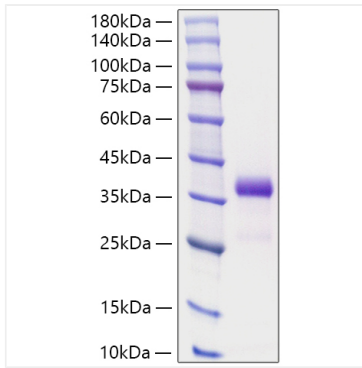
Measured by its binding ability in a functional ELISA. Immobilized human IGFBP7 (Catalog: RP02738) at 2 µg/mL (100 µL/well) can bind human CD93 (Catalog: RP00164) with a linear range of 0.17-290.4 ng/mL.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °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.

## Validation Data

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Recombinant Human IGFBP-7 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.