

## General Information

### Gene Name Synonym

IGFBP-rP1; MAC25 protein; PGI2-stimulating factor; Prostacyclin-stimulating factor; Tumor-derived adhesion factor

### Protein Construction

A DNA sequence encoding the human IGFBP7 (Q16270) (Met 1-Leu 282) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized IGFBP7-Fc at 20 µg/ml (100 µl/well) can bind biotinylated human IGF2-nusa. The  $EC_{50}$  of biotinylated human IGF2-nusa is 0.06 µg/ml.
2. Immobilized human CCL21 at 2 µg/ml (100 µl/well) can bind human IGFBP7-Fc with a linear ranger of 0.16-4 µg/ml.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

## Predicted N terminal

Ser 27

## Molecular Mass

The secreted recombinant human IGFBP7/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 497 amino acids and has a predicted molecular mass of 53.5 kDa. The apparent molecular mass of rh IGFBP7/Fc monomer is approximately 65-70 kDa in SDS-PAGE under reducing conditions.

## Formulation

- Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

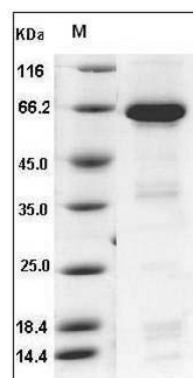
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



# Human IGFBP7 (Fc Tag) recombinant protein



Catalog Number: 503234

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Human IGFBP7 / IBP-7 Protein (Fc Tag) SDS-

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