

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 a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized IGFBP7 at 20 µg/ml (100 µl/well) can bind biotinylated human IGF2-nusa. The EC₅₀ of biotinylated human IGF2-nusa is 0.57 µg/ml.

Purity

> 92 % 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 comprises 267 amino acids and has a predicted molecular mass of 27.9 kDa. Since IGFBP7 can be proteolytically cleaved between lysine 97 and alanine 98, the apparent molecular mass of rh IGFBP7 is approximately 36 & 32 kDa in SDS-PAGE under reducing conditions, corresponding to the whole protein and the cleaved form respectively.

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

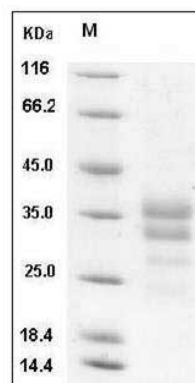
Storage

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 / IBP-7 Protein (His Tag) SDS-

Human IGFBP7 (His Tag) recombinant protein



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