

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) (Asp 30-Leu 282) was fused with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated recombinant human CCL21 in a functional ELISA.
2. Measured by its ability to bind biotinylated recombinant human VEGF165 in a functional ELISA.
3. Measured by its ability to bind biotinylated recombinant human IGF2 in a functional ELISA.

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

His

Molecular Mass

The secreted recombinant human IGFBP7 comprises 273 amino acids and has a predicted molecular mass of 28.6 kDa. The apparent molecular mass of rhIGFBP7 is approximately 36 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

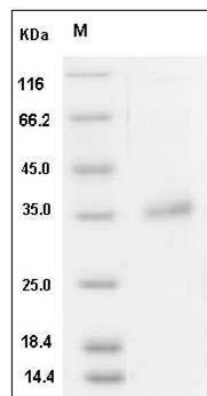
Storage

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 / IBP-7 Protein (His Tag) SDS-PAGE