

Recombinant human IGFBP-5 Protein

Catalog No.: RP01784 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
human	3488	P24593

Tags

C-His

Synonyms

IBP5;IGFBP5 insulin-like growth factor-binding protein 5;IGFBP-5

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
29.41 kDa	35-37 kDa

Endotoxin
<0.001 EU/μg

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.

Background

The superfamily of insulin-like growth factor (IGF) binding proteins include the six high-affinity IGF binding proteins (IGFBP) and at least four additional low-affinity binding proteins referred to as IGFBP related proteins (IGFBP-rP). All IGFBP superfamily members are cysteine-rich proteins with conserved cysteine residues, which are clustered in the amino- and carboxy-terminal thirds of the molecule. IGFBPs modulate the biological activities of IGF proteins. Some IGFBPs may also have intrinsic bioactivity that is independent of their ability to bind IGF proteins. Post-translational modifications of IGFBP, including glycosylation, phosphorylation and proteolysis, have been shown to modify the affinities of the binding proteins to IGF.

Basic Information

Description

Recombinant human IGFBP-5 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu21-Glu272) of human IGFBP5 (Accession #NP_000590.1) fused with and a 6×His tag at the C-terminus.

Bio-Activity

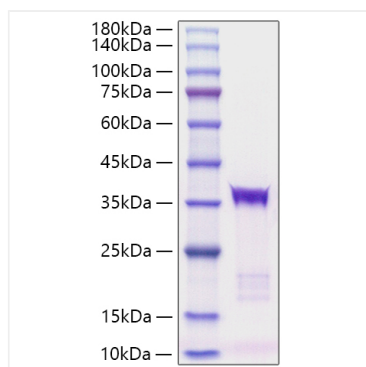
Storage

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.

Contact

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Validation Data



Recombinant human IGFBP5/IBP5 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-37 kDa.