Human IGFBP-5 Protein, His Tag (HPLC verified)

Catalog # IG5-H52H3

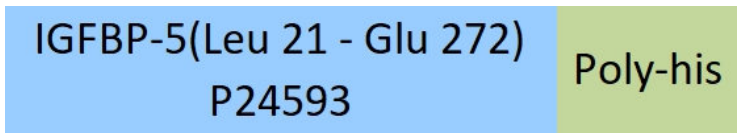
Synonym

IBP5,IGFBP5

Source

Human IGFBP-5 Protein, His Tag(IG5-H52H3) is expressed from human 293 cells (HEK293). It contains AA Leu 21 - Glu 272 (Accession # P24593). Predicted N-terminus: Leu 21

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 30.5 kDa. The protein migrates as 35-43 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

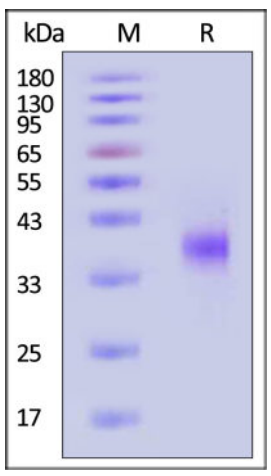
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

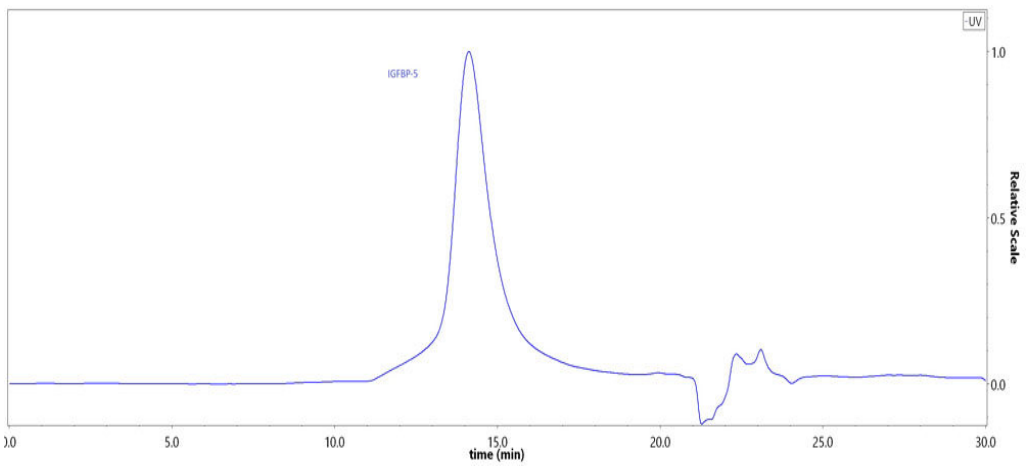
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human IGFBP-5 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With Star Ribbon Pre-stained Protein Marker).

SEC-HPLC



The purity of Human IGFBP-5 Protein, His Tag (Cat. No. IG5-H52H3) was greater than 90% as determined by SEC-HPLC.

Background

IGFBP5 stands for Insulin-like Growth Factor Binding Protein 5. It is a protein that belongs to the insulin-like growth factor binding protein (IGFBP) family. IGFBP5 plays a crucial role in regulating the activity and distribution of insulin-like growth factors (IGFs) in the body. Enables insulin-like growth factor I binding

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activity.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.