



Synonym

IBP6

Source

Human IGFBP-6 Protein, His Tag(IG6-H52H3) is expressed from human 293 cells (HEK293). It contains AA Arg 28 - Gly 240 (Accession # [P24592](#)).

Predicted N-terminus: Arg 28

Molecular Characterization

IGFBP-6(Arg 28 - Gly 240)
P24592 Poly-his

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

The protein has a calculated MW of 24.5 kDa. The protein migrates as 30-38 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.

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

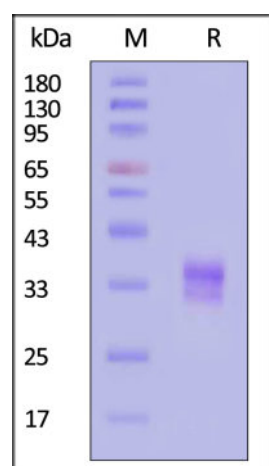
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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-6 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](#)).

Bioactivity-ELISA

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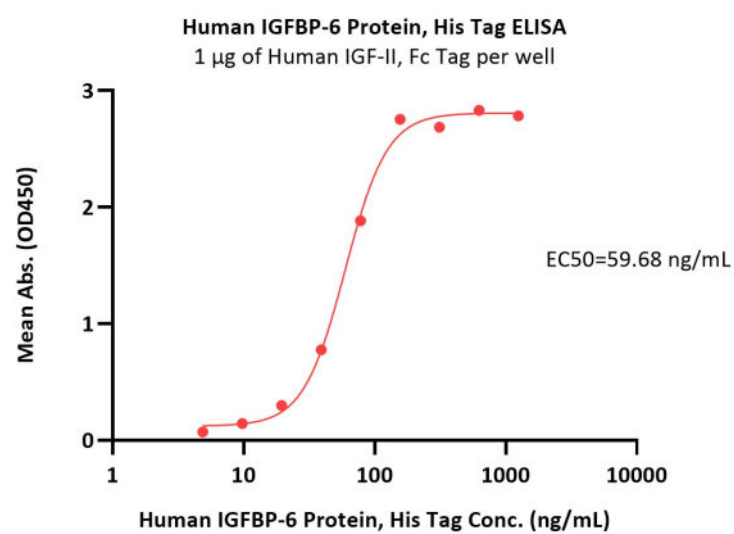


Human IGFBP-6 Protein, His Tag

Catalog # IG6-H52H3



BIOSYSTEMS
Acro



Immobilized Human IGF-II, Fc Tag (Cat. No. IG2-H4260) at 10 µg/mL (100 µL/well) can bind Human IGFBP-6 Protein, His Tag (Cat. No. IG6-H52H3) with a linear range of 5-156 ng/mL (QC tested).

Background

IGFBP6 (Insulin-like Growth Factor Binding Protein 6) is a member of the insulin-like growth factor binding protein (IGFBP) family. Like other IGFBPs, IGFBP6 can bind to insulin-like growth factors (IGFs) and modulate their activity and distribution in the body. IGFBP6 is an important regulator of the IGF signaling pathway. It modulates the activity and availability of IGFs, impacting cellular processes and playing a role in development and disease.

Clinical and Translational Updates

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

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