Human IGFBP-6 Protein, Ultra Low Endotoxin

Cat. No. IGF-HM106-UL

Description

Source	Recombinant Human IGFBP-6 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Arg28-Gly240.
Accession	P24592
Molecular Weight	The protein has a predicted MW of 24.22 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

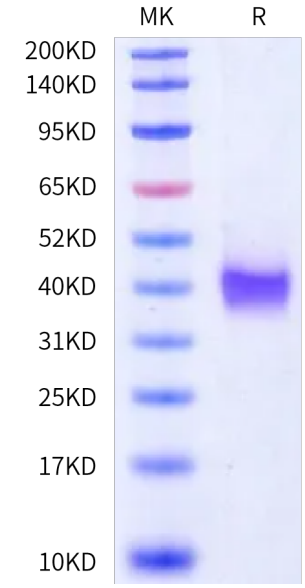
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Insulin-like growth factor binding protein-6 (IGFBP-6) is a growth inhibitory protein that regulates the availability of insulin-like growth factors (IGFs). Expression of IGFBP-6 is associated with non-proliferative states such as cell differentiation and quiescence. Overexpression of IGFBP-6 inhibits tumor growth by inducing apoptosis.

Assay Data

Bis-Tris PAGE



Human IGFBP-6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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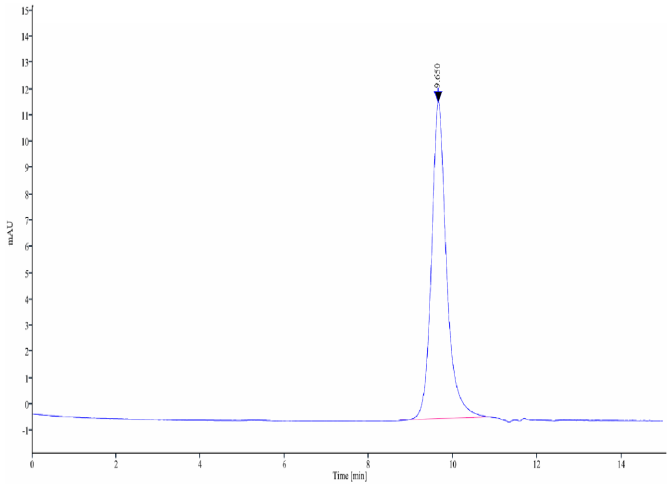
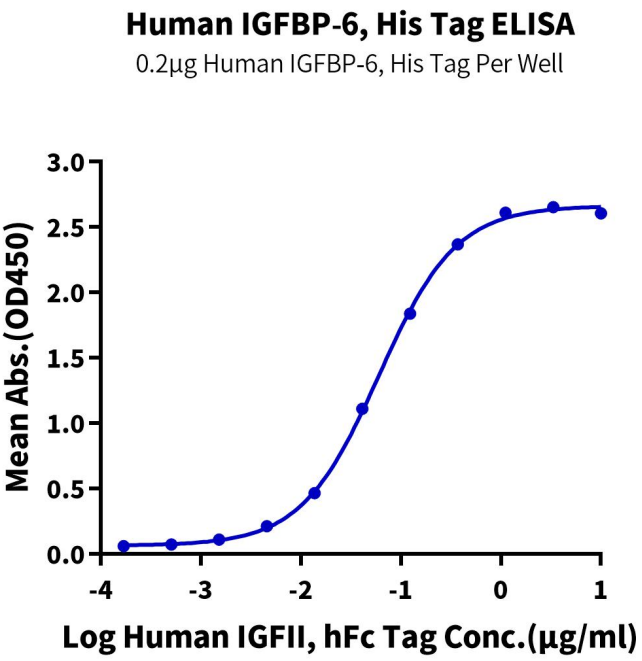


The purity of Human IGFBP-6 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human IGFBP-6, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human IGFII, hFc Tag (Cat. IGF-HM202) with the EC50 of 60.1ng/ml determined by ELISA.