

Mouse IGFBP-7 Protein, Ultra Low Endotoxin



Cat. No. IGF-MM2BP-UL

Description	
Source	Recombinant Mouse IGFBP-7 Protein is expressed from HEK293 with hFc tag at the C-terminus. It contains Ser26-Leu281.
Accession	Q61581
Molecular Weight	The protein has a predicted MW of 53.03 kDa. Due to glycosylation, the protein migrates to 55-70 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	
IGFBP-7, also known as Mac25/Angiomodulin (AGM), GFBP-rp1, tumor-derived adhesion factor (TAF) and prostacyclin-stimulating factor (PSF), is a secreted protein that contains three protein domain modules. Human IGFBP-rp1 cDNA encodes 282 amino acid (aa) residue precursor protein with a putative 26 aa signal peptide. IGFBP-7 binds IGF-I and IGF-II with a relatively low affinity. Stimulates prostacyclin (PGI2) production. Stimulates cell adhesion.	

Assay Data

Bis-Tris PAGE



Mouse IGFBP-7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

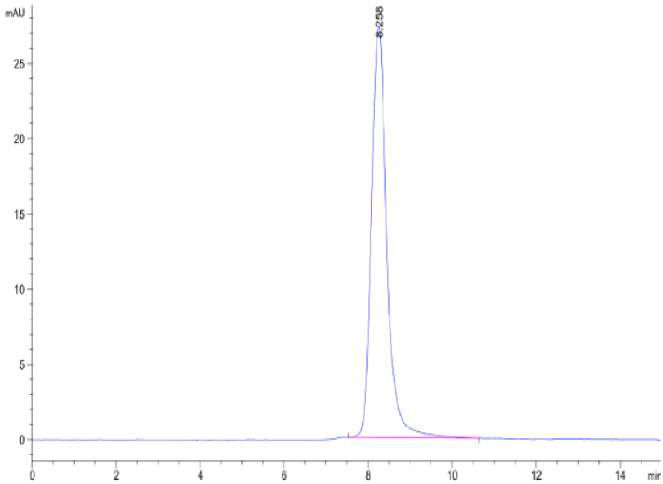
SEC-HPLC

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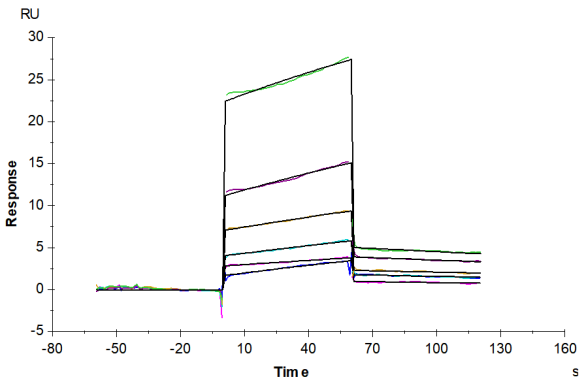
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Assay Data



The purity of Mouse IGFBP-7 is greater than 95% as determined by SEC-HPLC.

SPR Data



Mouse IGFBP-7, hFc Tag captured on CM5 Chip via Protein A can bind Human CD93, His Tag with an affinity constant of 1.67 μ M as determined in SPR assay (Biacore T200) (QC Test).