Mouse IGFBP-7 Protein

Cat. No. IGF-MM1BP

Description

Source	Recombinant Mouse IGFBP-7 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ser26-Leu281.
Accession	Q61581
Molecular Weight	The protein has a predicted MW of 27.5 kDa. Due to glycosylation, the protein migrates to 35-38 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

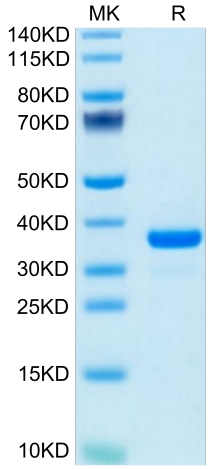
Formulation	Supplied as 0.22μm filtered solution in PBS, 150mM NaCl (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

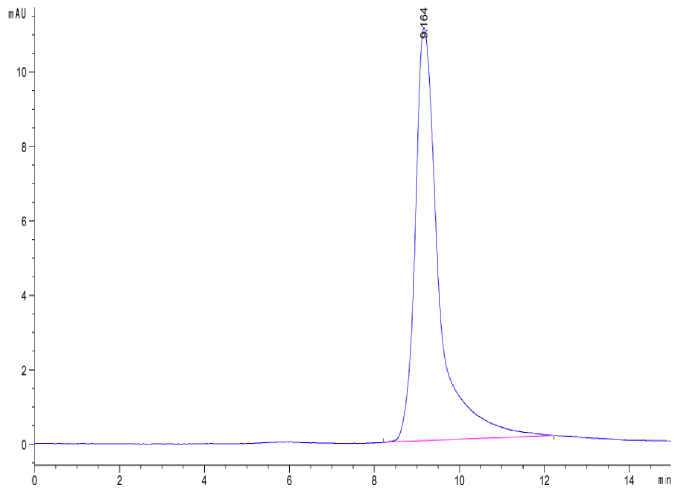
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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