Active Recombinant Human IGFBP7 protein, His-Avi-tagged, Biotinylated

Cat. No. IGFBP7-1604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human IGFBP7 protein(Asp30-Leu282), fused with His and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	30-282 a.a.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4.
Bio-activity	Biotinylated Human IGFBP-7, His,Avitag immobilized on CM5 Chip can bind Human C1q R1, His Tag with an affinity constant of 20 μM as determined in a SPR assay (Biacore 8K).
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 29.8 kDa. The protein migrates as 34-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Asp30-Leu282
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>95% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	IGFBP7 insulin-like growth factor binding protein 7 [Homo sapiens]
Official Symbol	IGFBP7
Synonyms	IGFBP7; insulin-like growth factor binding protein 7; insulin-like growth factor-binding protein 7; FSTL2; IGFBP 7; MAC25; PSF; IGFBP-rP1; angiomodulin; IGF-binding protein 7; PGI2-stimulating factor; tumor-derived adhesion factor; prostacyclin-stimulating factor; AGM; TAF; IBP-7; IGFBP-7; RAMSVPS; IGFBP-7v; IGFBPRP1;
Gene ID	3490
mRNA Refseq	NM_001253835
Protein Refseq	NP_001240764
MIM	602867
UniProt ID	Q16270

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