Active Recombinant Human IGFBP7 protein, C-His-tagged

Cat. No. IGFBP7-2281H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IGFBP7 protein(Q16270) (Met 1-Leu 282) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-282 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized IGFBP7 at 20 μg/ml (100 μl/well) can bind biotinylated human IGF2-nusa. The EC50 of biotinylated human IGF2-nusa is 0.57 μg/ml.
Molecular Mass	The secreted recombinant human IGFBP7 comprises 267 amino acids and has a predicted molecular mass of 27.9 kDa. Since IGFBP7 can be proteolytically cleaved between lysine 97 and alanine 98, the apparent molecular mass of rh IGFBP7 is approximately 36 & 32 kDa in SDS-PAGE under reducing conditions, corresponding to the whole protein and the cleaved form respectively.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE

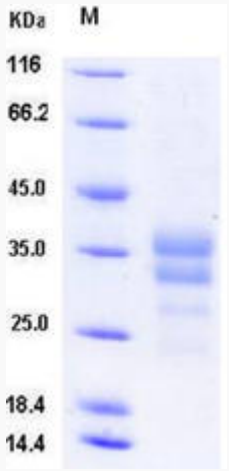
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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added 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.

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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SDS-PAGE	

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