

Recombinant Human IGFBP7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IGFBP7-6050H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IGFBP7 MS Standard C13 and N15-labeled recombinant protein (NP_001544) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the insulin-like growth factor (IGF)-binding protein (IGFBP) family. IGFBPs bind IGFs with high affinity, and regulate IGF availability in body fluids and tissues and modulate IGF binding to its receptors. This protein binds IGF-I and IGF-II with relatively low affinity, and belongs to a subfamily of low-affinity IGFBPs. It also stimulates prostacyclin production and cell adhesion. Alternatively spliced transcript variants encoding different isoforms have been described for this gene, and one variant has been associated with retinal arterial macroaneurysm (PMID:21835307).
Molecular Mass	28.9 kDa
AA Sequence	MERPSLRALLLGAAGLLLLLLPLSSSSSSDTCGPCEPASCPLPPLGCLLGETRDAC GCCPMCARGEGEPCGGGGAGRGYCAPGMECVKSRKRRKGKAGAAAGGPGVSG VCVCKSRYPVCGSDGTTYPSCQLRAASQRAESRGEKAITQVSKGTCEQGSPSIVTP PKDIWNVTGAQVYLSCEVIGIPTPVLINWKNVKGHYGVQRTELLPGDRDNLAIQTRG GPEKHEVTGWVLVSPLSKEDAGEYECHASNSQGQASASAKITVVDALHEIPVKKGE

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GAELTRRLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	IGFBP7 insulin-like growth factor binding protein 7 [Homo sapiens (human)]
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_001553
Protein Refseq	NP_001544
MIM	602867

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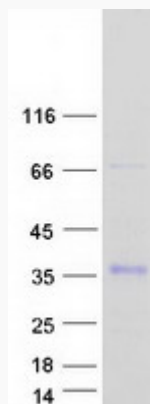
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UniProt ID

Q16270

SDS-PAGE

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