

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

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

## SPECIFICATION

<b>Product Overview</b>	IGFBP7 MS Standard C13 and N15-labeled recombinant protein (NP_001544) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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).
<b>Molecular Mass</b>	28.9 kDa
<b>AA Sequence</b>	MERPRLRALLLGAAGLLLLLLPLSSSSSSDTCGPCEPASCPLPPLGCLLGETRDAC GCCPMCARGEGEPCGGGGAGRGYCAPGMECVKSRKRRKKGKAGAAAGGPGVSG VCVCKSRYPVCGSDGTTYPGCGQLRAASQRAESRGEKAITQVSKGTCEQGPSIVTP PKDIWNVTGAQVYLSCEVIGIPTPVLINWVVKRGHYGVQRTELLPGDRDNLAIQTRG GPEKHEVTGWVLVSPLSKEDAGEYECHASNSQGGQASASAKITVVDALHEIPVKKGE

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G A E L T R R L E Q K L I S E E D L A A N D I L D Y K D D D D K V

**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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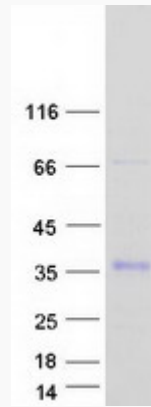
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UniProt ID

Q16270

SDS-PAGE



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