

## Product datasheet for PH309844

### IGFBP7 (NM\_001553) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IGFBP7 MS Standard C13 and N15-labeled recombinant protein (NP_001544)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209844
Predicted MW:	28.9 kDa
Protein Sequence:	>RC209844 representing NM_001553 Red=Cloning site Green=Tags(s)  MERPSLRALLLGAAGLLLLLPLSSSSSDTCGPCEPASCPLPPLGCLLGETRDACGCCPCARGEPEP CGGGGAGRGYCAPGMECVKSRKRRKAGAAAGPGVSGVCVCKSRYPVCGSDGTTYPSCQLRAASQRA ESRGEKAITQVSKGTCEQGPSIVTPPKDIWNVTGAQVYLSCEVIGIPTVLIWNKVKRGHYGVQRTELLP GDRDNLAIQTRGGPEKHEVTGWLVSPLSKEDAGEYECHASNSQGQASASAKITVVDALHEIPVKKGEGA EL  TRRLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001544</a>
RefSeq Size:	1124
RefSeq ORF:	846
Synonyms:	AGM; FSTL2; IBP-7; IGFBP-7; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF
Locus ID:	3490



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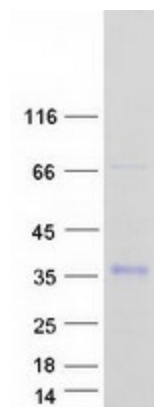
UniProt ID: [Q16270](#)

Cytogenetics: 4q12

**Summary:** 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). [provided by RefSeq, Dec 2011]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified IGFBP7 protein (Cat# [TP309844]). The protein was produced from HEK293T cells transfected with IGFBP7 cDNA clone (Cat# [RC209844]) using MegaTran 2.0 (Cat# [TT210002]).