

## Product datasheet for **TP309844**

### IGFBP7 (NM\_001553) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human insulin-like growth factor binding protein 7 (IGFBP7), 20 µg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >Peptide sequence encoded by RC209844<br>Blue=ORF Red=Cloning site Green=Tag(s)<br><br>MERPSLRALLLGAAGLLLLLLPLSSSSSDTCGPCEPASCPLPPLGCLLGETRDACGCCPMARGE<br>PCGGGGAGRGYCAPGMECVKSRKRRKGGKAGAAAGGPGVSGVCVCKSRYPVCGSDGTTYP<br>SGCQLRAASQ<br>RAESRGEKAITQVSKGTCEQGPSIVTPPKDIWNVTGAQVYLSCEVIGIPTVLIWNKVKR<br>GHYGVQRTE<br>LLPGDRDNLAIQTRGGPEKHEVTGWVLVSPLSKEDAGEYECHASNSQGQASASAKITV<br>VDALHEIPVKK<br>GEGAE<br>TRPLEQKLISEEDLAANDILDYKDDDDKV |
|                                       | Recombinant protein using RC209844 also available, <a href="#">TP309844</a>  |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 28.9 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                               | <a href="#">NP_001544</a>  |
| Locus ID:                             | 3490   |



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UniProt ID: [Q16270](#)

RefSeq Size: 1124

Cytogenetics: 4q12

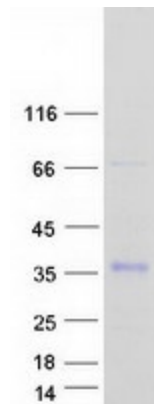
RefSeq ORF: 846

Synonyms: AGM; FSTL2; IBP-7; IGFBP-7; IGFBP-7v; IGFBPRP1; MAC25; PSF; RAMSVPS; TAF

**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]).