

Product datasheet for **TP309844L**

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), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC209844 representing NM_001553
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MERPSLRALLLGAAGLLLLLPLSSSSSDTCGPCEPASCPLPPLGCLLGETRDACGCCPMCARGEGEP
CGGGGAGRGYCAPGMECVKSRKRRKGGKAGAAAGGPGVSGVCVCKSRYPVCGSDGTTYPGCLRAASQRA
ESRGEKAITQVSKGTCEQGPSIVTPPKDIWNVTGAQVYLSCEVIGIPTVLIWNKVKRGHYGVQRTELLP
GDRDNLAIQTRGGPEKHEVTGWVLVSPLSKEDAGEYECHASNSQGQASASAKITVVDALHEIPVKKGEGA
EL

TRRLEQKLISEEDLAANDILDYKDDDDKV

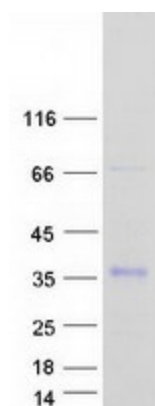
Tag:	C-Myc/DDK
Predicted MW:	28.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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:	NP_001544
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]).