

## Product datasheet for **TP309268**

### IGFBP1 (NM\_000596) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human insulin-like growth factor binding protein 1 (IGFBP1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209268 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MSEVPVARVWLVLVLLLVQVGVGTAGAPWQCAPCSAEKALALCPPVSASCSEVTRSAGCGCCPMCALPLGAA CGVATARCARGLSCRALPGEQQPLHALTRGQGACVQESDASAPHAEEAGSPESPESTEITEEELLDNFHL MAPSEEDHSIPWDAISTYDGSKALHVTNIKKWKEPCRIELRYVESLAKAQETS GEEISKFYLPNCNKNK FYHSRQCETSM DGEAGLCWCVYPWNGKRIPGSPEIRGDPNCQIYFNVQN</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	25.2 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_000587</a>
Locus ID:	3484
UniProt ID:	<a href="#">P08833</a>



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RefSeq Size: 1660

Cytogenetics: 7p12.3

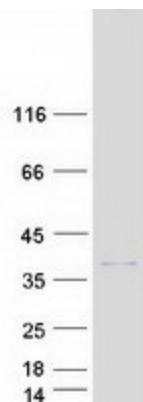
RefSeq ORF: 777

Synonyms: AFBP; hIGFBP-1; IBP1; IGF-BP25; PP12

**Summary:** This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP N-terminal domain and a thyroglobulin type-I domain. The encoded protein, mainly expressed in the liver, circulates in the plasma and binds both insulin-like growth factors (IGFs) I and II, prolonging their half-lives and altering their interaction with cell surface receptors. This protein is important in cell migration and metabolism. Low levels of this protein may be associated with impaired glucose tolerance, vascular disease and hypertension in human patients. [provided by RefSeq, Aug 2017]

**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein

### Product images:



Coomassie blue staining of purified IGFBP1 protein (Cat# TP309268). The protein was produced from HEK293T cells transfected with IGFBP1 cDNA clone (Cat# [RC209268]) using MegaTran 2.0 (Cat# [TT210002]).