

Product datasheet for **TP723169**

IGFBP1 (NM_000596) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human insulin-like growth factor binding protein 1 (IGFBP1).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAPWQCAPCS AEKLALCPPV SASCSEVTRS AGCGCCPMCA LPLGAACGVA TARCARGLSC RALPGEQQPL HALTRGQGAC VQESDASAPH AAEAGSPESP ESTEITEEEL LDNFHLMAPS EEDHSILWDA ISTYDGSKAL HVTNIKKWKE PCRIELYRVV ESLAKAQETS GEEISKFYLP NCNKNNGFYHS RQCETSMDGE AGLCWCVYPW NGKRIPGSPE IRGDPNCQIY FNVQN
Tag:	Tag Free
Predicted MW:	25.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	ED50 was determined by its ability to inhibit IGF-I induced proliferation of MCF-7 is less than or equal to 0.5 ug/mL in the presence of 6 ng/ml of human IGF-I.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000587
Locus ID:	3484
UniProt ID:	P08833
RefSeq Size:	1660
Cytogenetics:	7p12.3
RefSeq ORF:	777
Synonyms:	AFBP; hIGFBP-1; IBP1; IGF-BP25; PP12



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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: