

Product datasheet for **TP723170**

IGFBP2 (NM_000597) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human insulin-like growth factor binding protein 2, 36kDa (IGFBP2).
Species:	Human
Expression Host:	Hi-5 insect
Expression cDNA Clone or AA Sequence:	EVLFRCPPT PERLAACGPP PVAPPAAVAA VAGGARMPCA ELVREPGCGC CSVCARLEGE ACQVYTPRCG QGLRCYPHPG SELPLQALVM GEGTCEKRRD AEYGASPEQV ADNGDDHSEG GLVENHVDST MNMLGGGGSA GRKPLKSGMK ELAVFREKVT EQHRQMKGKG KHHLGLEEPK KLRPPPARTP CQQLDQVLE RISTMRLPDE RGPLEHLYSL HIPNCDKHGL YNLKQCKMSL NGQRGECWCV NPNTGKLIQG APTIRGDPEC HLFYNEQQA RGVHTQRMQ
Tag:	Tag Free
Predicted MW:	31.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to inhibit IGF-I induced proliferation of FDC-P1 cells.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000588
Locus ID:	3485
UniProt ID:	P18065
RefSeq Size:	1439
Cytogenetics:	2q35
RefSeq ORF:	984
Synonyms:	IBP2; IGF-BP53



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Summary:

The protein encoded by this gene is one of six similar proteins that bind insulin-like growth factors I and II (IGF-I and IGF-II). The encoded protein can be secreted into the bloodstream, where it binds IGF-I and IGF-II with high affinity, or it can remain intracellular, interacting with many different ligands. High expression levels of this protein promote the growth of several types of tumors and may be predictive of the chances of recovery of the patient. Several transcript variants, one encoding a secreted isoform and the others encoding nonsecreted isoforms, have been found for this gene. [provided by RefSeq, Sep 2015]

Protein Families:

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

Product images: