

IGFBP2

Recombinant Human IGF-BP2

Catalog No.	CRI272B	Quantity:	20 µg
Alternate Names:	Insulin-like growth factor-binding protein 2		
Description:	IGF-BPs controls the distribution, function and activity of IGFs in various cell tissues and body fluids. Currently there are seven named IGF-BPs that form high affinity complexes with both IGF-I and IGF-II. IGF-BP2 is a cysteine-rich secreted protein produced by bone cells, and is most abundant in the brain. IGF-BP2 has been shown to inhibit IGF-II action in human breast and ovarian carcinoma cells. Recombinant human IGF-BP2 consists of 289 amino acid residues including the IGF-BP domain and thyroglobulin type-I domain.		
UniProt ID:	P18065		
Gene ID:	3485		
Source:	Insect cells		
Molecular Weight:	31.5 kDa (289 aa)		
Formulation:	Lyophilized from PBS		
Purity:	>98% by SDS-PAGE analysis.		
Endotoxin Level:	< 1 EU/µg		
Biological Activity:	Determined by its ability to inhibit IGF-I induced proliferation of FDC-P1 cells.		
Amino Acid Sequence:	EVLFRCPPT PERLAACGPP PVAPPAVAA VAGGARMPCA ELVREPGCGC CSVCARLEGE ACQVYTPRCG QGLRCYHPG SELPLQALVM GEGTCEKRRD AEYGASPEQV ADNGDDHSEG GLVENHVDST MNMLGGGSA GRKPLKSGMK ELAVFREKVT EQHRQMGKGG KHHLGLEPK KLRPPPARTP CQQELDQVLE RISTMRLPDE RGPLEHLYSL HIPNCDKHGL YNLKQCKMSL NGQRGECWCV NPNTGKLIQG APTIRGDPEC HLFYNEQQEA RGVHTQRMQ		
Reconstitution:	Centrifuge vial prior to opening. Add PBS or medium to the vial to fully solubilize the protein to a concentration ≥ 100 µg/ml. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein such as 0.1% BSA and store in working aliquots at -20°C to -80°C.		
Storage & Stability:	Lyophilized protein is stable for 1 year at -20°C to -80°C. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

