

IGF-BP2 active protein

Human IGF-BP2

CATALOG # AAA79281	HOST Insect Cells	REACTIVITY Human
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PRODUCT SYNONYMS

IGF-BP2; Human IGF-BP2; Recombinant Human IGF-BP-2; IGF-BP2 active protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE & HPLC analyses
Form/Format	Lyophilized
Sequence	EVLFRCPPCT PERLAACGPP PVAPPAVAA VAGGARMPCA ELVREPGCGC CSVCARLEGE ACQVYTPRCG QGLRCYPHPG SELPLQALVM GEGTCEKRRD AEYGASPEQV ADNGDDHSEG GLVENHVDST MNMLGGGGSA GRKPLKSGMK ELAVFREKVT EQHRQMGKGG KHHLGLEEPK KLRPPPARTP CQQELDQVLE RISTMRPDE RGPLEHLYSL HIPNCDKHGL YNLKQCKMSL NGQRGECWCV NPNTGKLIQG APTIRGDPEC HLFYNEQQEA RGVHTQRMQ
Sequence Length	289
Endotoxin Level	< 0.1 ng/ug of protein (1<1EU/ug).
Biological Activity	Determined by its ability to inhibit IGF-I induced proliferation of FDC-P1 cells.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8 degree C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20 degree to -80 degree C.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4 degree C for 6 months. Reconstituted working aliquots are stable for 1 week at 2 degree C to 8 degree C and for 3 months at -20 degree C to -80 degree C. Avoid repeated freeze and thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IGF-BP2 active protein	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 is a 31.5 kDa protein consisting of 289 amino acid residues including the IGF-BP domain and thyroglobulin type-I domain.
Product Categories/Family for IGF-BP2 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	55925576
NCBI GeneID	3485
NCBI Accession #	NP_000588.2

NCBI GenBank Nucleotide #	NM_000597.2
UniProt Accession #	P18065 ; Q14619 ; Q9UCL3
Molecular Weight	31.5 kDa
NCBI Official Full Name	insulin-like growth factor-binding protein 2
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 2, 36kDa
NCBI Official Symbol	IGFBP2
NCBI Official Synonym Symbols	IBP2; IGF-BP53
NCBI Protein Information	insulin-like growth factor-binding protein 2; IBP-2; IGFBP-2; IGF-binding protein 2
UniProt Protein Name	Insulin-like growth factor-binding protein 2
UniProt Gene Name	IGFBP2
UniProt Synonym Gene Names	BP2; IBP2; IBP-2; IGF-binding protein 2; IGFBP-2
UniProt Entry Name	IBP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/insect-cells-human-active-protein/igf-bp2/79281>