

Active Recombinant Human IGFBP6 protein

Cat. No. IGFBP6-5053H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP6 was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	IGF-BPs controls the distribution, function and activity of IGFs in various cell tissues and body fluids. IGF-BP6 is produced by bone cells and is the major IGF-BP present in cerebrospinal fluid, and specifically inhibits IGF-II actions. IGF-BP6 has been shown to inhibit IGF-II-dependent cancers such as neuroblastoma, colon cancer and rhabdomyosarcoma.
Bio-activity	Determined by its ability to inhibit IGF-II induced proliferation of human MCF-7 cells. The expected ED50 for this effect is 0.1 – 0.4 µg/ml.
Molecular Mass	Recombinant human IGF-BP6 has a calculated mass of 22.6 kDa and consists of 213 amino acid residues including the IGF-BP domain and thyroglobulin type-I domain. IGF-BP6 migrates at an apparent molecular weight of approximately 23.0-30.0 kDa by SDS-PAGE analysis under non-reducing conditions.
AA Sequence	RCPGCGQGV QAGCPGGCV EEEDGGSPA EGCAEAEGC LRREGQECG VYTPNCAPG LQCHPPKDD EAPLRALLL GRGRCLPAR APAVAEENP KESKPQAGT ARPQDVNRR DQQRNPGTS TTPSQPNSA GVQDTEMGP CRRHLDVSL QQLQTEVYR GAQTLVYPN CDHRGFYRK RQCRSSQGQ RRGPCWCVD RMGKSLPGS PDGNGSSSC PTGSSG

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Purity Above 95% as determined by SDS-PAGE Analysis.

GENE INFORMATION

Gene Name	IGFBP6 insulin-like growth factor binding protein 6 [Homo sapiens]
Official Symbol	IGFBP6
Synonyms	IGFBP6; insulin-like growth factor binding protein 6; insulin-like growth factor-binding protein 6; IBP-6; IGFBP-6; IGF binding protein 6; IGF-binding protein 6; IBP6;
Gene ID	3489
mRNA Refseq	NM_002178
Protein Refseq	NP_002169
MIM	146735
UniProt ID	P24592

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