

Recombinant Human IGFBP5 protein, His-tagged

Cat. No. IGFBP5-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP5 fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.
Form	Lyophilized from a 0.2 M filtered solution of 20mM PB,150mM NaCl,pH7.4
Molecular Mass	29.61kD
AA Sequence	LGSFVHCEPCDEKALSMCPPSPLGCELVKEPGCGCCMTCALAEGQSCGVYTERCA QGLRCLPRQDEEKPLHALLHGRGVCLNEKSYREQVKIERDSREHEEPTTSEMAEET YSPKIFRPKHTRISELKAEAVKKDRRKKLTQSKFVGGAENTAHPRIISAPEMRQESEQ GPCRRHMEASLQELKASPRMVPRAVYLPNCDRKGIFYKRKQCKPSRGRKRGICWC VDKYGMKLPGMEYVDGDFQCHTFDSSNVEVDHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	IGFBP5 insulin-like growth factor binding protein 5 [Homo sapiens]
Official Symbol	IGFBP5
Synonyms	IGFBP5; insulin-like growth factor binding protein 5; insulin-like growth factor-binding protein 5; IBP-5; IGFBP-5; IGF-binding protein 5; IBP5;
Gene ID	3488
mRNA Refseq	NM_000599
Protein Refseq	NP_000590
MIM	146734
UniProt ID	P24593
Chromosome Location	2q33-q36
Pathway	Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Regulation of Insulin-like Growth Factor (IGF) Activity by Insulin-like Growth Factor Binding Proteins (IGFBPs), organism-specific biosystem; Senescence

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and Autophagy, organism-specific biosystem;

Function

fibronectin binding; insulin-like growth factor I binding; protein binding;

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