

Recombinant Human IGFBP6, His-tagged

Cat. No. IGFBP6-15914H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human IGFBP6 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	28-240 aa
Description	IGFBP6 contains 1 IGFBP N-terminal domain and 1 thyroglobulin type-1 domain. 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	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	25.0 kDa (236aa), confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSRCPGCGQ GVQAGCPGGC VEEEDGGSPA EGCAEAEGCL RREGQCEGVY TPNCAPGLQC HPPKDDEAPL RALLGRGRC LPARAPAVAE ENPKESKPQA GTARPQDVNR RDQQRNPGTS TTPSQPNSAG VQDTEMGPCR RHLDSVLQQL QTEVYRGAQT LYVPNCDHGRG FYRKRQCRSS QGQRRGPCWC VDRMGKSLPG SPDGNGSSSC PTGSSG

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
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
Chromosome Location	12q13
Pathway	Diabetes pathways, organism-specific biosystem; Disease, organism-specific

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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;

Function

insulin-like growth factor I binding;

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