

Recombinant Human IGFBP3 Protein (28-291aa), N-His-tagged

Cat. No. IGFBP3-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IGFBP3 (28-291aa), fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	28-291aa
Description	This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	Liquid
Molecular Mass	31 kDa (285aa)
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGASSAGLGPVVRCEPCDARALAQCAPPPAVCAE LVREPGCGCCLTCALSEGQPCGIYTERCGSGLRCQPSPDEARPLQALLDGRGLCV NASAVSRLRAYLLPAPPAPGNASESEEDRSAGSVESPSVSSTHRVSDPKFHPLHSKI IIKKKGHAKDSQRYKVVDYESQSTDTQNFSSSESKRETEYGPCRREMEDTLNHLKFLNV

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	LSPRGVHIPNCDKKGFYKKKQCRPSKGRKRGFCWCVDKYGQPLPGYTTKGKEDVH CYSMQSK
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Denatured
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

GENE INFORMATION

Gene Name	IGFBP3 insulin like growth factor binding protein 3 [Homo sapiens (human)]
Official Symbol	IGFBP3
Synonyms	IGFBP3; insulin like growth factor binding protein 3; IBP3; BP-53; insulin-like growth factor-binding protein 3; IBP-3; IGF-binding protein 3; IGFBP-3; acid stable subunit of the 140 K IGF complex; binding protein 29; binding protein 53; growth hormone-dependent binding protein
Gene ID	3486
mRNA Refseq	NM_000598
Protein Refseq	NP_000589

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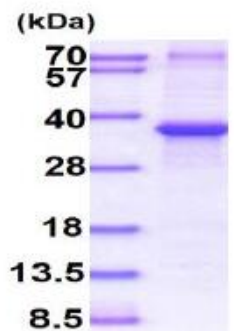
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MIM 146732

UniProt ID P17936

SDS-PAGE



15% SDS-PAGE (3ug)

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