

Active Recombinant Human IGFBP4 protein, His-tagged

Cat. No. IGFBP4-759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IGFBP4 protein(NP_001543.2) precursor (Met 1-Glu 258) with a C-terminal polyhistidine tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-258 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its ability to bind human IGF1 in functional ELISA. 2. Measured by its ability to bind human IGF2 in functional ELISA. 3. Measured by its ability to inhibit the biological activity of IGF1 or IGFII on MCF7 human breast adenocarcinoma cells (Karey, K.P. et al. (1988) Cancer Research 48:4083.). The ED50 for this effect is typically 0.04-0.4 µg/mL in the presence of 14 ng/mL human IGFII.
Molecular Mass	The secreted recombinant human IGFBP4 comprises 248 amino acids with a predicted molecular mass of 27.4 kDa. As a result of glycosylation, it migrates as an approximately 32 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
protein Refseq-Weblink	http://www.ncbi.nlm.nih.gov/protein/NP_001543.2
Unit ID	P22692
Unit ID-Weblink	http://www.uniprot.org/uniprot/P22692

GENE INFORMATION

Gene Name	IGFBP4 insulin-like growth factor binding protein 4 [Homo sapiens]
Official Symbol	IGFBP4
Synonyms	IGFBP4; insulin-like growth factor binding protein 4; insulin like growth factor binding protein 4; insulin-like growth factor-binding protein 4; BP 4; HT29 IGFBP; IBP4; IGF binding protein 4; IGFBP 4; IBP-4; IGF-binding protein 4; BP-4; IGFBP-4; HT29-IGFBP;
Gene ID	3487
mRNA Refseq	NM_001552
protein Refseq	NP_001543

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