Recombinant Human IGFBP4 protein, His-tagged

Cat. No. IGFBP4-832H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGFBP4 aa. (Asp22~Glu258 (Accession # P22692)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp22~Glu258
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 binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.5kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%
Characteristic	The isoelectric point is 6.8.

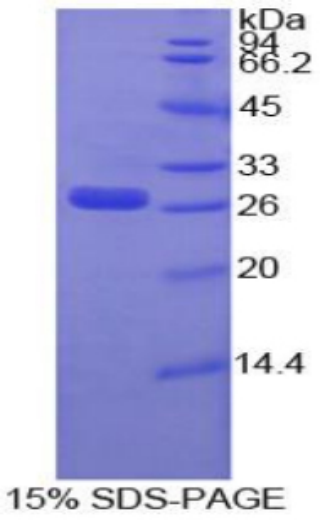
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	IGFBP4 insulin like growth factor binding protein 4 [Homo sapiens (human)]
Official Symbol	IGFBP4
Synonyms	IGFBP4; insulin like growth factor binding protein 4; BP-4; IBP4; IGFBP-4; HT29-IGFBP; insulin-like growth factor-binding protein 4; IBP-4; IGF-binding protein 4
Gene ID	3487
mRNA Refseq	NM_001552.2
Protein Refseq	NP_001543.2
UniProt ID	P22692

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SDS-PAGE	 15% SDS-PAGE

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