

## Recombinant Human IGFBP1 protein, His & GST-tagged

Cat. No. IGFBP1-821H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IGFBP1 aa. (Asp159~Pro249 (Accession # P08833)) fused with N-terminal His & GST tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asp159~Pro249
<b>Description</b>	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. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 42.3kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Characteristic</b>	The isoelectric point is 6.3.

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<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4

## GENE INFORMATION

<b>Gene Name</b>	IGFBP1 insulin like growth factor binding protein 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IGFBP1
<b>Synonyms</b>	IGFBP1; insulin-like growth factor-binding protein 1; IBP-1; IGF-binding protein 1; IGFBP-1; alpha-pregnancy-associated endometrial globulin; amniotic fluid binding protein; binding protein-25; binding protein-26; binding protein-28; growth hormone independent-binding protein; placental protein 12
<b>Gene ID</b>	3484
<b>mRNA Refseq</b>	NM_000596.2
<b>Protein Refseq</b>	NP_000587.1

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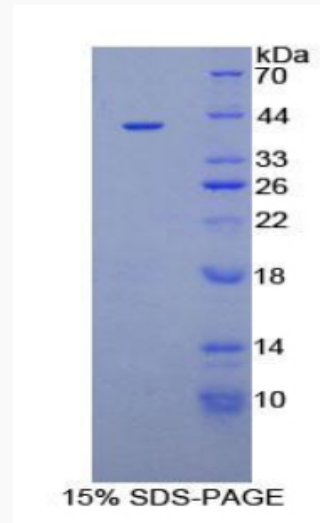
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UniProt ID

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SDS-PAGE



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