Recombinant Human IGFBP1 protein, His & GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human IGFBP1 aa. (Asp159~Pro249 (Accession # P08833)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp159~Pro249
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. 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: 42.3kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%
Characteristic	The isoelectric point is 6.3.

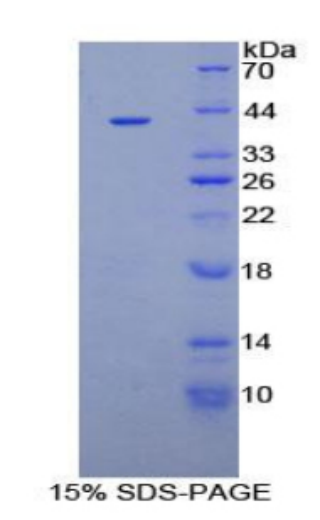
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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and 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	IGFBP1 insulin like growth factor binding protein 1 [Homo sapiens (human)]
Official Symbol	IGFBP1
Synonyms	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
Gene ID	3484
mRNA Refseq	NM_000596.2
Protein Refseq	NP_000587.1

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UniProt ID	P08833
SDS-PAGE	

15% SDS-PAGE

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