

Recombinant Mouse Igfbp3 Protein, His-tagged

Cat. No. Igfbp3-1655M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Igfbp3 Protein (Val37-Gln292) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val37-Gln292
Description	Enables fibronectin binding activity and insulin-like growth factor binding activity. Acts upstream of or within several processes, including osteoblast differentiation; positive regulation of signal transduction; and type B pancreatic cell proliferation. Located in extracellular space. Is expressed in several structures, including alimentary system; brain; early embryo; gonad; and limb. Human ortholog(s) of this gene implicated in several diseases, including Alzheimer's disease; Turner syndrome; diabetes mellitus (multiple); prostate cancer; and transitional cell carcinoma. Orthologous to human IGFBP3 (insulin like growth factor binding protein 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32 kDa Accurate Molecular Mass: 36 kDa
Purity	> 90%

 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	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Igfbp3 insulin-like growth factor binding protein 3 [Mus musculus (house mouse)]
Official Symbol	Igfbp3
Synonyms	IGFBP3; insulin-like growth factor binding protein 3; insulin-like growth factor-binding protein 3; IBP-3; IGF-binding protein 3; IGFBP-3; IGgfbp3; A1649005;
Gene ID	16009
mRNA Refseq	NM_008343
Protein Refseq	NP_032369
UniProt ID	P47878

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