

## Recombinant Mouse Igfbp3 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Igfbp3 Protein (Val37-Gln292) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Val37-Gln292
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 32 kDa Accurate Molecular Mass: 36 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<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 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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">lgfbp3 insulin-like growth factor binding protein 3 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">lgfbp3</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">16009</a>
<b>mRNA Refseq</b>	<a href="#">NM_008343</a>
<b>Protein Refseq</b>	<a href="#">NP_032369</a>
<b>UniProt ID</b>	<a href="#">P47878</a>

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