

Active Recombinant Mouse Igfbp6 protein(Met1-Gly238), His-tagged

Cat. No. Igfbp6-4031M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IGFBP6 (NP_032370.2) (Met 1-Gly 238) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gly238
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit the biological activity of IGFII on MCF7 human breast adenocarcinoma cells (Karey, K.P. et al. (1988) Cancer Research 48:4083.). The ED50 for this effect is typically 1-4 µg/ml in the presence of 20 ng/mL mouse IGFII.
Molecular Mass	The recombinant mouse IGFBP6 consists of 224 amino acids and has a predicted molecular mass of 24 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmIGFBP6 is approximately 30 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Igfbp6 insulin-like growth factor binding protein 6 \[Mus musculus \]](#)

Official Symbol [Igfbp6](#)

Synonyms IGFBP6; insulin-like growth factor binding protein 6; insulin-like growth factor-binding protein 6; IBP-6; IGF-binding protein 6; INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 6 PRECURSOR (IGFBP-6) (IBP-6) (IGF-BINDING PROTEIN 6); IGFBP-6;

Gene ID [16012](#)

mRNA Refseq [NM_008344](#)

Protein Refseq [NP_032370](#)

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