

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

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse IGFBP6 (NP_032370.2) (Met 1-Gly 238) was expressed in HEK293, with a polyhistidine tag at the C-terminus.                                                                                                                                  |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Met1-Gly238                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                               |
| <b>Bio-activity</b>     | 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. |
| <b>Molecular Mass</b>   | 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.                          |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                              |
| <b>Purity</b>           | > 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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