

## Recombinant Human IGFBP3 Protein(His Tag)

**Catalog Number:** PDMH100378

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

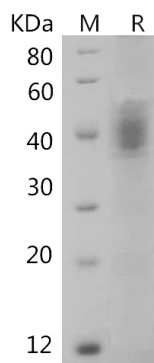
### Description

<b>Species</b>	Human
<b>Source</b>	Mammalian-derived Human IGFBP3 protein Met1-Lys291, with an C-terminal His
<b>Calculated MW</b>	32.5 kDa
<b>Observed MW</b>	38-42 kDa
<b>Accession</b>	P17936
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 80% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of Human IGFBP3 proteins, 2 µg/lane of Recombinant Human IGFBP3 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 38-42 kDa.

### Background

IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Also exhibits IGF-independent antiproliferative and apoptotic effects mediated by its receptor TMEM219/IGFBP-3R. Inhibits the positive effect of humanin on insulin sensitivity. Promotes testicular germ cell apoptosis.

### For Research Use Only

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