

Recombinant Rat IGFBP-3 protein (His tag)

Catalog No. PDMR100028

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

Description

Synonyms	Insulin-like growth factor-binding protein 3;IBP-3;IGF-binding protein 3;IGFBP-3;Igfbp3
Species	Rat
Expression Host	HEK293 Cells
Sequence	Met1-Gln292
Accession	P15473
Calculated Molecular Weight	32.0 kDa
Observed molecular weight	42 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	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

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. Promotes testicular germ cell apoptosis.

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