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Recombinant Human IGFBP3 Protein(His Tag)

Catalog Number: PDMH100378

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

Description

Species Human

Source HEK293 Cells-derived Human IGFBP3 protein Met1-Lys291, with an C-terminal His

 Calculated MW
 32.5 kDa

 Observed MW
 38-42 kDa

 Accession
 P17936

Bio-activity Not validated for activity

Properties

Purity > 80% as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU/mg of the protein as determined by the LAL method

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.

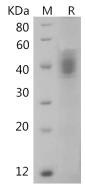
Formulation Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%

Mannitol.

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.

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.

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