



Insulin Like Growth Factor Binding Protein-6, His Tag, human recombinant (rHuIGFBP-6-His)

Catalog No: 94899
Lot No: XXXXX
Source: *E. coli*
Synonyms: IGFBP-6, IBP-6, IGF-binding protein 6

Background

IGFBP6 plays a role in lipoprotein assembly and dietary cholesterol absorption. In addition to its acyltransferase activity, it may act as a ligase. It may provide cholesteryl esters for lipoprotein secretion from hepatocytes and intestinal mucosa.

Description

IGFBP6 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing amino acids 148-240 and having a molecular mass of 20 kDa including a 4 kDa His Tag. IGFBP6 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

IBP-6 was lyophilized from a concentrated (1 mg/ml) solution containing 1X PBS, 0.1% SDS and 1 mM DTT.

Solubility

It is recommended to reconstitute the lyophilized IGFBP6 in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized IBP6, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IGFBP-6 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 80.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Applications

Protein Assays*Antibody Production*WB

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

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