

Human IGFBP-3 Protein

Cat. No. IGF-HM103

Description

Source	Recombinant Human IGFBP-3 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Gly28-Lys291.
Accession	AAH18962
Molecular Weight	The protein has a predicted MW of 29.8 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

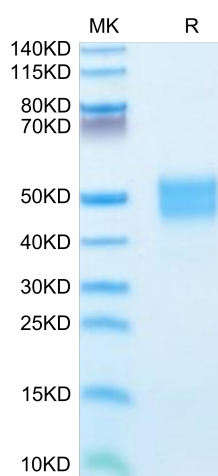
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Background

Insulin-like growth factor binding protein-3 (IGFBP-3) is a p53 tumor suppressor-regulated protein and a major carrier for IGFs in circulation. Among six high-affinity IGFBPs, which are IGFBP-1 through 6, IGFBP-3 is the most extensively investigated IGFBP species with respect to its IGF/IGF-I receptor (IGF-IR)-independent biological actions beyond its endocrine/paracrine/autocrine role in modulating IGF action in cancer.

Assay Data

Tris-Bis PAGE



Human IGFBP-3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.