
Product Data Sheet

Product Name: IGFBP3 Human, His
 Cat. No.: GP20429
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Insulin-like growth factor-binding protein 3; Insulin Like Growth Factor Binding Protein-3; His Tag; IGFBP3; IBP-3; IGF-binding protein 3; IGFBP-3; IBP3; BP-53; Insulin-like growth factor binding protein 3 isoform b precursor.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGASSAGLGP VVRCEPCDAR ALAQCAPPPA VCAELVREPG CGCCLTCALS EGQPCGIYTE RCGSGLRCQP SPDEARPLQA LLDGRGLCVN ASAVSRLRAY LLPAPPAPGN ASESEEDRSA GSVESPSVSS THRVSDPKFH PLHSKIIIIK KGHAKDSQRY KVDYESQSTD TQNFSSSESKR ETEYGPCRRE MEDTLNHLKF LNVLSRPGVH IPNCDKKGIFY KKKQCRPSKG RKRGFWCVD KYGQPLPGYT TKGKEDVHCY SMQSK.		
Formulation	IGFBP3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.		

Introduction

IGFBP3 is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein forms a ternary complex with insulin-like growth factor acid-labile subunit (IGFALS) and either insulin-like growth factor (IGF) I or II. In this form, it circulates in the plasma, prolonging the half-life of IGFs and altering their interaction with cell surface receptors. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IGFBP3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (28-291a.a.) and having a molecular mass of 31kDa. IGFBP3 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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