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IGFBP3 Human, His

Insulin Like Growth Factor Binding Protein-3 Human Recombinant, His Tag
GRF0181

Product Overview

Name	IGFBP3 Human, His

Description

Insulin Like Growth Factor Binding Protein-3 Human Recombinant, His Tag

Accession (Primary)	P17936

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.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

IGFBP3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.

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

Purity

Greater than 90.0% as determined by analysis by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M GASSAGLGP VVRCEPCDAR ALAQCAPPPA VCAELVREPG CGCCLTCALS EGQPCGIYTE RCGSGLRCQP SPDEARPLQA LLDGRGLCVN ASAVSRLRAY LLPAPPAPGN ASESEEDRSA GSVESPSVSS THRVSDPKFH PLHSKIIIIK KGHAKDSQRY KVDYESQSTD TQNFSSESKR ETEYGPCRRE

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MEDTLNHLKF LNVLSPRGVH IPNCDKKGFY KKKQCRPSKG RKRGFCWCVD KYGQPLPGYT TKGKEDVHCY SMQSK.

Precautions

IGFBP3 Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P17936)