

32-6400: IGFBP3 Human, His

Alternative Name : 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.

Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

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.

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.

Product Info

Amount :	5 µg / 25 µg
Purification :	Greater than 90.0% as determined by analysis by SDS-PAGE.
Content :	IGFBP3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGASSAGLGP VVRCEPCDAR ALAQCAPPPA VCAELVREPG CGCCLTCALS EGQPCGIYTE RCGSGLRCQP SPDEARPLQA LLDGRGLCVN ASAVSRLRAY LLPAPPAGN ASESEEDRSA GSVESPSVSS THRVS DPKFH PLHSKIIIIK KGHAKDSQRY KVDYESQSTD TQNFSSSESKR ET EYGPCRRE MEDTLNHLKF LNVLS PRGVH IPNCDKKGFY KKKQCRPSKG RKRGF CWCVD KYGQPLPGYT TKGKEDVHCY SMQSK.