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32-1355: IGFBP7 His Recombinant Protein

Alternative Name :	Insulin-like growth factor-binding protein 7,IBP-7,IGF-binding protein 7,IGFBP-7,IGFBP-rP1,MAC25 protein,PGI2-stimulating factor,Prostacyclin-stimulating factor,Tumor-derived adhesion factor,TAF,IGFBP7,MAC25,PSF,AGM,FSTL2,RAMSVPS,IGFB

Description

Source : Escherichia Coli. IGFBP7 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 279 amino acids (27-282 a.a.) and having a molecular mass of 28.8kDa.IGFBP7 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Insulin-like Growth Factor-Binding Protein 7 (IGFBP7) is a member of the IGFBP family. IGFBP family members are all cysteine rich proteins with conserved cysteine and have an IGFBP domain, a Kazal-like domain and an Ig-like C2-type domain. IGFBP7 is expressed in a broad range of normal human tissues and it mostly shows reduced expression in cancer cell lines of prostate, breast, colon, and lung origin. IGFBP7 has a role in skeletal myogenesis by binding to IGF in a manner which inhibits IGF induced differentiation of skeletal myoblasts, without disturbing IGF induced proliferation. Moreover, IGFBP7 suppresses growth and colony formation of prostate and breast cancer cell lines via an IGF independent mechanism, which triggers a delay in the G1 phase of the cell cycle, and increased apoptosis.

Product Info

Amount :	10µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	IGFBP7 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 50% glycerol, 2mM DTT and 1mM EDTA.
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 MGSSSSDTCG PCEPASCPPL PPLGCLLGET RDACGCCPMC ARGEGEPCGG GGAGRGYCAP GMECVKSRKR RKGKAGAAAG GPGVSGVCVC KSRYPVCGSD GTTYPSGCQL RAASQRAESR GEKAITQVSK GTCEQGPSIV TPPKDIWNVT GAQVYLSCEV IGIPTPVLIW NKVKRGHYGV QRTELLPGDR DNLAIQTRGG PEKHEVTGWV LVSPLSKEDA GEYECHASNS QGQASASAKI TVVDALHEIP VKKGEGAEL.