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IGFBP3, 28-291aa, Human, His tag, E.coli

产品货号: TP02582

第三版

别名: Insulin-like growth factor binding protein 3 isoform b precursor, IBP3, BP-53

描述: IGFBP3 also known as Insulin-like growth factor binding protein 3 isoform b precursor. They are structurally and functionally related to insulin but have a much higher growth-promoting activity. It may be a physiological regulator of [1-14C]-2-deoxy-D-glucose (2DG) transport and glycogen synthesis in osteoblasts. It stimulates glucose transport in rat bone-derived osteoblastic (PyMS) cells and is effective at much lower concentrations than insulin, not only regarding glycogen and DNA synthesis but also with regard to enhancing glucose uptake. It may play a role in synapse maturation. Recombinant human IGFBP3, fused to His-tag at N-terminus, was expressed in E.coli.

配方: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol

分子量: 31kDa (285aa)

序列:

MGSSHHHHHSSGLVPRGSHMGASSAGLGPVVRCEPCDARALAQCAPPAVCAELVREPGCGCCLTCALSEGQPCGIY
TERCGSGLRCQPSPDEARPLQALLDGRGLCVNASAVSRLRAYLLPAPPAPGNASESEEDRSAGSVESPSVSSTHRVSDPKFHP
LHSKIIIIKKGHAKDSQRYKVDYESQSTDTQNFSSSESKRETEYGPCRREMEDTLNHLKFLNVLSRPGVHIPNCDKKGFKKK
QCRPSKGRKRGFCWCVDKYGQPLPGYTTKGKEDVHCYSMQSK

纯度: > 95% by HPLC

浓度: 1mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.