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32-20192: Recombinant Human IGF-BP3(Discontinued)

Reactivity : Human

Alternative Name : Insulin-like Growth Factor-Binding Protein 3, Growth-hormone-dependent binding protein

Description

Source:E.coliIGF-BP3 is a 30 kDa, cysteine-rich secreted protein.Â It is the major IGF binding protein present in the plasma of human and animals, and it is also found in Alpha -granules of platelets.Â In addition to its ability to modulate the activity of IGF-I and IGF-II, IGF-BP3 exerts inhibitory effects on follicle stimulating hormone (FSH) activity.Â Decreased plasma levels of IGF-BP3 often results in dwarfism, whereas elevated levels of IGF-BP3 may lead to acromegaly.Â The expression of IGF-BP3 in fibroblasts is stimulated by mitogenic growth factors, such as Bombesin, Vasopressin, PDGF, and EGF.Â Recombinant Human IGF-BP3 is a 28.8 kDa protein consisting of 264 amino acid residues.

Product Info

Amount : 5 µg / 25 µg

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : GASSGGLGPV VRCEPCDARA LAQCAPPPAV CAELVREPGC GCCLTCALSE GQPCGIYTER CGSGLRCQPS PDEARPLQAL LDGRGLCVNA SAVSRLRAYL LPAPPAPGNA SESEEDRSAG EVESPSVSST HRVSDPKFHP LHSKIIIIKK GHAKDSQRYK VDYESQSTDT QNFSSESKRE TEYGPCRREM EDTLNHLKFL NVLSPRGVHI PNCDKKGFYK KKQCRPSKGR KRGFCWCVDK YGQPLPGYTT KGKEDVHCYS MQSK

Application Note

TheÃ Â ED_{50}Ã Â was determined by its ability to inhibit IGF-II induced proliferation of MCF-7. The expectedÃ Â $ED_{50}$for this effect is <= 0.2 Ã Âµg/ml in presence of 15 ng/ml of human IGF-II.