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32-1190: rFGF-18 Recombinant Protein

Alternative Name : Fibroblast growth factor 18,FGF-18,zFGF5,Fgf18,D130055P09Rik.

Description

Source : Escherichia Coli. FGF18 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 180 amino acids and having a molecular mass of 21.0kDa.The FGF 18 Rat is purified by proprietary chromatographic techniques. Fibroblast growth factor 18 (FGF18) is a member of the large FGF family which has at least 23 members. FGF18 is a heparin binding growth factor with a core 120 amino acid FGF domain which allows for a common tertiary structure. FGFs are expressed in the course of the embryonic development and in restricted adult tissues. FGF-18 is an indispensable regulator of long bone and calvarial development. FGF-18 signals via FGFR 1c, 2c, 3c, and 4.

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.
Content :	Lyophilized from a 0.2um filtered concentrated solution in PBS, pH 7.4.
Storage condition :	Lyophilized FGF 18 Rat although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF 18 Rat should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	EENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGKLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQTELQK PFKYTTVTKR SRRIRPTHPG

Application Note

It is recommended to reconstitute the lyophilized FGF 18 in sterile 18M-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors is < 0.5ng/ml, corresponding to a specific activity of > 2.0Ã□â□□1,000,000 units/mg.

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