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32-6354: FGF 18 Human, His

Alternative Name : Fibroblast growth factor 18, FGF-18, zFGF5, FGF18.

Description

Source: Escherichia Coli.
Filtered White lyophilized (freeze-dried) powder.
Fibroblast growth factor 18 (FGF18) is a member of the large FGF family which has at least 23 members. FGF18 is a 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.
FGF18 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Glu28-Ala207) containing 190 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 22.3kDa.

Product Info

Amount :	2 µg / 10 µg
Purification :	Purity as determined by densitometric image analysis is greater than 95%.
Content :	FGF18 was filtered (0.4µm) and lyophilized in phosphate buffered saline and 5% w/v trehalose. It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. FGF18 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	MKHHHHHHASEENVDFRIHV ENQTRARDDV SRKQLRLYQL YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGKLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWYVGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQPELQK PFKYTTVTKR SRRIRPTHPA.