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32-6347: FGF5 Human

Alternative Name : Fibroblast Growth Factor 5, Heparin-Binding Growth Factor 5, Smag-82, HBGF-5, TCMGLY, FGF-5, FGF5.

Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
Fibroblast Growth Factor-5 (FGF5) belongs to the FGF family of mitogenic peptides. In vitro, rhFGF5 is a mitogen for Balb/3T3 fibroblasts and bovine heart endothelial cells. FGF5 is also a major muscle-derived survival factor for cultured spinal motoneurons. In vivo, FGF5 is assumed to play central roles in both embryology and neurobiology. Developmentally, FGF5 mRNA is originally found in the embryoblast followed by the lateral somatic mesoderm, where it may play a part in angiogenesis, as well as the myotomes cranial to the tail region, where it may delay terminal myoblast differentiation during cell migration.
FGF5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain having containing 252 amino acids and having a molecular mass of 27.7kDa.The FGF-5 is purified by proprietary chromatographic techniques.

Product Info

Amount :	10 µg / 50 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	FGF-5 protein was lyophilized from a 0.2µm filtered solution in 10mM sodium phosphate and 100mM sodium chloride pH 7.5. It is recommended to reconstitute the lyophilized FGF5 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Lyophilized FGF5 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-5 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MAWAHGEKRL APKGQPGPAA TDRNPRGSSS RQSSSSAMSS SSASSSPAAS LGSQGSGLEQ SSFQWSPSGR RTGSLYCRVG IGFHLQIYPD GKVNGSHEAN MLSVLEIFAV SQGIVGIRGV FSNKFLAMSK KGKLHASAKF TDDCKFRERF QENSYNTYAS AIHRTEKTGR EWYVALNKRG KAKRGCSPRV KPQHISTHFL PRFKQSEQPE LSFTVTVPEK KKPPSPIKSK IPLSAPRKNT NSVKYRLKFR FG.