9051 Mira Mesa Blvd, #910094
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FGF5 Human

Fibroblast Growth Factor-5 Human Recombinant
GRF0103

Product Overview

Name	FGF5 Human
Description	
Fibroblast Growth Factor-5 Human Recombinant	
Accession (Primary)	P12034
Synonyms	
Fibroblast Growth Factor 5, Heparin-Binding Growth Factor 5, Smag-82, HBGF-5, TCMGLY, FGF-5, FGF5.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
FGF-5 protein was lyophilized from a 0.2 μm filtered solution in 10mM sodium phosphate and 100mM sodium chloride pH 7.5.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MAWAHGEKRL APKGQPGPAA TDRNPRGSSS RQSSSSAMSS SSASSSPAAS LGSQGSGLEQ SSFQWSPSGR	

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RTGSLYCRVG IGFHLQIYPD GKVNGSHEAN MLSVLEIFAV SQGIVGIRGV FSNKFLAMSK KGKLHASAKF TDDCKFRERF QENSYNTYAS AIHRTEKTGR EWYVALNKRG KAKRGCSPRV KPQHISTHFL PRFKQSEQPE LSFTVTVPEK KKPPSPIKSK IPLSAPRKNT NSVKYRLKFR FG.

Solubility

It is recommended to reconstitute the lyophilized FGF5 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

FGF5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P12034)