

## Fibroblast Growth Factor-5 Human Recombinant

<b>Item Number</b>	rAP-2240
<b>Synonyms</b>	Fibroblast Growth Factor 5, Heparin-Binding Growth Factor 5, Smag-82, HBGF-5, TCMGLY, FGF-5, FGF5.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	P12034
<b>Amino Acid Sequence</b>	MAWAHGEKRL APKGQPGPAA TDRNPRGSSS RQSSSSAMSS SSASSSPAAS LGSQGSGLAQ SSFQWSPSGR RTGSLYCRVG IGFHLQIYPD GKVNGSHEAN MLSVLEIFAV SQGIVGIRGV FSNK- FLAMSK KGKLHASAKF TDDCKFRERF QENSYNTYAS AIHRTEKTGR EWYVALNKRG KAKRGCSPRV KQIHISTHFL PRFKQSEQPE LSFTVTVPEK KKPPSPIKSK IPLSAPRKNT NSVKYRLKFR FG.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	FGF-5 protein was lyophilized from a 0.2µm filtered solution in 10mM sodium phosphate and 100mM sodium chloride pH 7.5. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	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.
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**