

Fibroblast Growth Factor-18 Rat Recombinant

Item Number	rAP-2202
Synonyms	Fibroblast growth factor 18, FGF-18, zFGF5, Fgf18, D130055P09Rik.
Description	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.
Uniprot Accession Number	
Amino Acid Sequence	EENVDFRIHV ENQTRARDDV SRKQLRLYLQ YSRTSGKHIQ VLGRRISARG EDGDKYAQLL VETDTFGSQV RIKGKETEFY LCMNRKGLV GKPDGTSKEC VFIEKVLENN YTALMSAKYS GWY- VGFTKKG RPRKGPKTRE NQQDVHFMKR YPKGQTELQK PFKYTTVTKR SRRIRPTHPG
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2um filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.
Application	
Solubility	It is recommended to reconstitute the lyophilized FGF 18 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	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 > 2.0×1,000,000 units/mg.
Shipping Format and Condition	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**