

## Fibroblast Growth Factor-19 Human Recombinant

<b>Item Number</b>	rAP-2227
<b>Synonyms</b>	Fibroblast growth factor 19, FGF-19, FGF19.
<b>Description</b>	FGF19 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 195 amino acids and having a molecular mass of 21.8 kDa. The FGF-19 is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	O95750
<b>Amino Acid Sequence</b>	MRPLAFSDAG PHVHYGWGDP IRLRHLYTSG PHGLSSCFLR IRADGVVDCA RGQSAHSLLE IKAVALRT-VA IKGVHSVRYL CMGADGKMQG LLQYSEEDCA FEEEIRPDGY NVYRSEKHRL PVSLSAKQR QLYKNRGFLP LSHFLPMLPM VPEEPEDLRG HLESDMFSSP LETDSMDPFG LVTGLEAVRS PSFEK.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Filtered white lyophilized powder. Lyophilized FGF-19 Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor-19 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>	Filtered (0.2µm) and lyophilized from 1mg/ml in 1xPBS, pH 7.4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized FGF-19 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50 as determined by the dose-dependent stimulation of the proliferation of balb/c 3T3 cells is 100-150ng/ml.
<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**