

## Fibroblast Growth Factor-20 Human Recombinant

<b>Item Number</b>	rAP-2235
<b>Synonyms</b>	Fibroblast Growth Factor 20, FGF-20, RHDA2, FGF20.
<b>Description</b>	FGF20 Human Recombinant (1-211) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 217 amino acids and having a molecular mass of 24kDa. The FGF-20 is fused to a 6 amino acid His tag [HHHHHH] at N-terminus and purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	Q9NP95
<b>Amino Acid Sequence</b>	MHHHHHHAPL AEVGGFLGGL EGLGQQVGSF FLLPPAGERP PLLGERRSAA ERSARGGPGA AQLAHLHGIL RRRQLYCRTG FHLQILPDGS VQGTRQDHSF FGILEFISVA VGLVSIRGVD SGLYLGMNDK GELYGSEKLT SECIFREQFE ENWYNTYSSN IYKHGDTGRR YFVALNKDGT PRDGARSKRH QKFTHFLPRP VDPERVPELY KDLLMYT.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized FGF20 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-20 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>	Lyophilized from a 0.2µm filtered solution in MOPS, (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> , DTT and EDTA. Greater than 97.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized FGF-20 in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> , as measured in a proliferation assay using mouse NR6R-3T3 cells, is less than 2.5ng/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**