

## Fibroblast Growth Factor 17 Human Recombinant

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| <b>Item Number</b>                       | rAP-2231                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>                          | Fibroblast growth factor 17, FGF-17, FGF17, FGF-13, HH20.                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>                       | FGF17 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 195 amino acids and having a molecular mass of 22.6kDa.&nbsp;                                                                                                                                                                                                                                 |
| <b>Uniprot Accession Number</b>          | O60258                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Amino Acid Sequence</b>               | MTQGENHPSP NFNQYVRDQG AMTDQLSRRQ IREYQLYSRT SGKHVQVTGR RISATAEDGN<br>KFAKLIVETD TFGSRVRIKG AESEKYICMN KRGKLIGKPS GKSKDCVFTE IVLENNYTAF QNARHEG-<br>WFM AFTRQGRPRQ ASRSRQNRQRE AHFIKRLYQG QLPFPNHAEK QKQFEFVGSA PTRRTKRTRR<br>PQPLT.                                                                                                                                                                  |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Physical Appearance and Stability</b> | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized FGF17 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF17 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).&nbsp;Please prevent freeze-thaw cycles. |
| <b>Formulation and Purity</b>            | FGF17 protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by:&nbsp;(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.                                                                                                                                                                                                                |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Solubility</b>                        | It is recommended to reconstitute the lyophilized FGF17 in sterile 18M?-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.                                                                                                                                                                                                                                 |
| <b>Biological Activity</b>               | Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 10 ng/ml, corresponding to a specific activity of >1.0 × 100,000 IU/mg.                                                                                                                                                                         |
| <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**