

## Fibroblast Growth Factor 13 Human Recombinant

|  |  |
|--|--|
| <b>Item Number</b>                       | rAP-2199   |
| <b>Synonyms</b>                          | Fibroblast growth factor 13, FGF-13, Fibroblast growth factor homologous factor 2, FHF-2, FGF13, FHF2.   |
| <b>Description</b>                       | FGF13 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 245 amino acids and having a molecular mass of 27.6kDa. The FGF-13 is purified by proprietary chromatographic techniques.  |
| <b>Uniprot Accession Number</b>          | Q92913   |
| <b>Amino Acid Sequence</b>               | MAAAIASSLI RQKRQARERE KSNACKCVSS PSKGGTSCDK NKLNVFSRVK LFGSKKRRRR<br>RPEPQLKGIV TKLYSRQGYH LQLQADGTID GTKDEDSTYT LFNLIPLVGLR VVAIQGVQTK LYLAMNSEGY<br>LYTSELFPE CKFKESVFEN YYVTYSSMIY RQQQSGRGWY LGLNKEGEIM KGNHVKKNKP AAHFLPK-<br>PLK VAMYKEPSLH DLTEFSRSGS GTPTKSRSVS GVLNGGKSMS HNEST.  |
| <b>Source</b>                            | Escherichia Coli.  |
| <b>Physical Appearance and Stability</b> | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized FGF13 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGF-13 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>            | FGF13 protein was lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, 0.5M NaCl, 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-13 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**