ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Fibroblast Growth Factor-21 Human Recombinant

Item Number	rAP-2217
Synonyms	Fibroblast growth factor 21, FGF-21.
Description	Fibroblast Growth Factor -21 Human Recombinant produced in E.Coli is a single, non-glycosylated, poly-peptide chain containing 182 amino acids and an N-terminal Methionin (bold), having a molecular weight of 19.5 kDa. The FGF-21 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9NSA1
Amino Acid Sequence	MHPIPDS SPLLQFGGQV RQRYLYTDDA QQTEAHLEIR EDGTVGGAAD QSPESLLQLK ALKPGVIQIL GVKTSRFLCQ RPDGALYGSL HFDPEACSFR ELLLEDGYNV YQSEAHGLPL HLPGNKSPHR DPAP-RGPARF LPLPGLPPAP PEPPGILAPQ PPDVGSSDPL SMVGPSQGRS PSYAS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered white lyophilized powder. Lyophilized FGF-21 Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Fibroblast Growth Factor 21 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.
Formulation and Purity	Lyophilized from PBS, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Fibroblast Growth Factor-21 Human Recombinant sterile 18MΩ-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 the proliferation of BAF3 cells expressing FGF receptors is 0.06-0.4µg/ml in the presence of betaKlotho and Heparin.
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

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