

Fibroblast Growth Factor-21 Human Recombinant, His Tag

Item Number	rAP-2206
Synonyms	Fibroblast growth factor 21, FGF-21.
Description	Fibroblast Growth Factor -21 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 202 amino acids (29-209) and having a molecular mass of 21.6 kDa (molecular weight on SDS-PAGE will appear higher). The FGF-21 is fused to a 20 amino acid His Tag at N-terminus
Uniprot Accesion Number	Q9NSA1
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MHPIPDSSPL LQFGGQVRQR YLYTDDAQQT EAHLEIREDG TVG-GAADQSP ESSLQLKALK PGVIQILGVKTSRFLCQRPD GALYGSLHFD PEACSFRELL LEDGYNVYQS EAHGLPLHLP GNKSPHRDPA PRGPARFLPL PGLPPAPPEP PGILAPQPPD VGSSDPLSMV GPSQGRSPSY AS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.
Formulation and Purity	The FGF-21 His tag protein (1mg/ml) solution in 20mM Tris-HCl buffer pH-8 and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Measured in a cell proliferation assay using NIH-3T3 cells. The ED50 for this effect is $\approx 12\text{ng/ml}$, which corresponds to $\approx 83,000$ units/ml.
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**