

Fibroblast Growth Factor-21 Mouse Recombinant, His Tag

Item Number	rAP-2218
Synonyms	Fibroblast growth factor 21, FGF-21.
Description	Fibroblast Growth Factor -21 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 192 amino acids and having a molecular mass of 21.2 kDa. The amino acid sequence of the recombinant human FGF21 is 100% homologous to the amino acid sequence of the Mouse
Uniprot Accession Number	Q9JJN1
Amino Acid Sequence	MKHHHHHHAS AYPIPDSSPL LQFGGQVRQR YLYTDDDQDT EAHLEIREDG TVVGAHRSP ESLLELKALKPGVIQILGVK ASRFLCQQPD GALYGSPHFD PEACSFRELL LEDGYNVYQS EAHGLPLRLP QKDSPNQDATSWGPVRFPLM PGLLHEPQDQ AGFLPPEPPD VGSSDPLSMV EPLQGRSPSY AS.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered white lyophilized powder. Lyophilized FGF-21 Mouse 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	Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 20mM TRIS, 20mM NaCl, pH 7.5. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it
Biological Activity	
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**