

Fibroblast Growth Factor-21 Bovine Recombinant

Item Number	rAP-2226
Synonyms	Fibroblast growth factor 21, FGF-21, FGF21.
Description	Fibroblast Growth Factor -21 Bovine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 182 amino acids, having a molecular weight of 19.5 kDa. The FGF-21 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-His-Pro-Ile-Pro.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered white lyophilized powder. Lyophilized FGF-21 Bovine 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	The protein was lyophilized from a concentrated (0.8 mg/ml) solution with 0.4 mg/ml of NaHCO ₃ , pH 8. Greater than 98.0% as determined by: (a) Analysis by Gel Filtration. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Bovine FGF-21 in sterile water or 0.4% NaHCO ₃ , not less than 100µg/ml, which can then be further diluted to other aqueous solutions, preferably in presence of carrier protein.
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**