



Murine FGF-21

Synonyms: Fibroblast growth factor 21, FGF-21, FGF21.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
2 µg	1388.960.002		
10 µg	1388.960.010		
1 mg	1388.960.199		

Please enquire for bulk quantities and other vial sizes.

Description

Fibroblast Growth Factor -21 Murine Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 183 amino acids including N-terminal Methionin and having a molecular mass of 20.1 kDa.

- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 20mM TRIS, 20mM NaCl, pH 7.5*
- **Physical State** Filtered white lyophilized powder

Reconstitution

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 in the cell culture. Add DTT (0.2 mM) and NaCl (0.1-0.15M) before freezing to prevent potential aggregation.

Stability

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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MAYPIPDSSP LLQFGGQVRQ RYLYTDDDQD TEAHLEIRED GTVVGAAHRS PESLLELKAL KPGVIQILGV
 KASRFLCQQP DGALYGSPHF DPEACSFREL LLEDGYNVYQ SEAHGLPLRL PQKDSPNQDA TSWGVPVRFLLP
 MPGLLHEPQD QAGFLPPEPP DVGSSDPLSM VEPLQGRSPS YAS

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.