



Human FGF-21

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
5 µg	1388.950.005		
25 µg	1388.950.025		
1 mg	1388.950.199		

Please enquire for bulk quantities and other vial sizes.

Description

Fibroblast Growth Factor -21 Human Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 182 amino acids and an N-terminal Methionin (bold), having a molecular weight of 19.5 kDa.

- **Source** *E. coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Lyophilized from PBS, pH 7.4*
- **Physical State** Sterile Filtered white lyophilized powder

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.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. **Do not vortex.**

Stability

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, 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

MHP^{**I**}PDSSPL LQFGGQVRQR YLYTDDAQQT EAHLEIREDG TVGGAADQSP ESLLQLKALK PGVIQILGVK
 TSRFLCQRPD GALYGSLHFD PEACSFRELL LEDGYNVYQS EAHGLPLHLP GNKSPHRDPA PRGPARFLPL
 PGLPPAPPEP PGILAPQPPD VGSSDPLSMV GPSQGRSPSY AS

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.