FGF21
Recombinant Human Fibroblast Growth Factor 21

Catalog No.	CRF159A	**Quantity:**	5 µg
	CRF159B		20 µg
	CRF159C		1.0 mg

Alternate Names: FGF-21, FGFL

Description: Fibroblast growth factor-21 (FGF-21) is a member of the FGF family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes. FGF-21 is a secreted endocrine factor that functions as a major metabolic regulator. FGF-21 stimulates the uptake of glucose in adipose tissue. Activity requires the presence of beta-klotho (KLB)

Gene ID: 26291

UniProt ID: Q9NSA1

Source: *E. coli*

Molecular Weight: 19.5 kDa (182 aa) monomer

Formulation: Lyophilized from a sterile filtered solution containing 10 mM sodium phosphate, 100 mM sodium chloride, pH 7.5.

Purity: > 95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EUs/µg by kinetic LAL analysis.

Biological Activity: ED_{50} ≤ 500 ng/ml, determined by proliferation of 3T3 cells with β-klotho and heparin

Specific Activity: ≥ 2.0 x 10^3 unit/mg

Amino Acid Sequence: MHPIPDSSPL LQFGGQVRQR YLYTDDAQQT EAHLEIREDG TVGGAADQSP ESLLQLKALK PGVIQILGVK TSRFLCQRPD GALYGSLHFD PEACSFRELL LEDGYNVYQS EAHGLPLHLP GNKSPHRDPA PRGPARFLPL PGLPPALPEP PGILAPQPPD VGSSDPLSMV GPSQGRSPSY AS

Reconstitution: **Centrifuge vial prior to opening**. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipet the solution up and down the sides of the vial.
DO NOT VORTEX. Allow several minutes for complete reconstitution.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.

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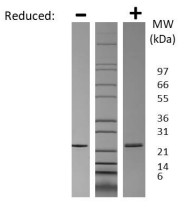

Human FGF-21 Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human FGF-21 is a monomer with a predicted MW of 19.5kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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