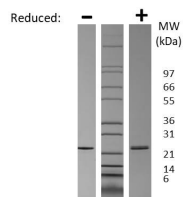


FGF21

Recombinant Human FGF-21, Animal Free

Catalog No.	CRF159A-AF CRF159B-AF CRF159C-AF	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	Fibroblast growth factor-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:	<i>E. coli</i> Made without animal-derived components in an animal-free facility.		
Molecular Weight:	Monomer, 19.5 kDa (182 aa)		
Formulation:	Lyophilized from a sterile 0.2 µm 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. Manufactured in an Animal-Free facility, without Animal-Derived materials.		
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 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.		





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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