

Human FGF21 protein

Cat #: PRP1030

Size: 5 µg/ 50 µg/ 500 µg/ 1 mg

Product Information

	Product Name: Recombinant Human FGF21 protein		
	Reconstitution: Use the buffer we provided to reconstitute the lyophilized Human FGF21 protein		
	Catalog Number: PRP1030		Lot Number: Refer to product label
	Purity: ≥98% as determined by SDS-PAGE		
	Storage: Store at -20C		Expressed Host: E. coli
	Shipping: Gel pack with blue ice		

Background: Fibroblast Growth Factor 21 (FGF21) is a growth factor that belongs to the FGF family. Proteins of this family possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGFs act through a family of four FGF receptors. Binding is complicated and requires both interaction of the FGF molecule with an FGF receptor and binding to heparin through an heparin binding domain. Endocrine FGFs lack a heparin binding domain and thus can be released into the circulation. FGF21's action through one of the FGF21 receptors thus requires interaction with a co-receptor, designated β-klotho.

Sequence: Amino acid sequence derived from Human FGF21 isoform (Q9NSA1) (His29-Ser209) was expressed.

Protein length: The recombinant Human FGF21 consists of 181 amino acids and has a predicted molecular mass of 19.4 kDa. The apparent molecular mass of the Human FGF21 protein is approximately 19.4 kDa in SDS-PAGE under reducing conditions.

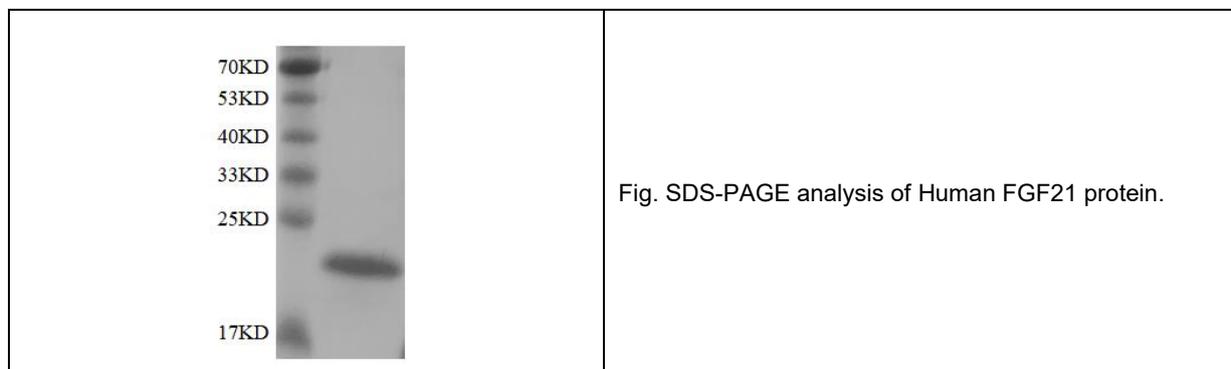
Biological Activity: Testing in progress.

Endotoxin: <1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage Instructions: Lyophilized Human FGF21 protein product should be stored desiccated below -18°C for 12 months. Upon reconstitution, the protein should be stored at 4°C between 2 -7 days and below -18°C for 3 months. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening . It is recommended to centrifuge at 12,000 rpm for 1 minute. It is recommended to reconstitute the lyophilized Human FGF21 protein using the buffer we provided not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.



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