


Human FGF-19 Protein, His tag

Cat #: PRP1235

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human FGF-19 Protein, His tag		
REF	Catalog Number: PRP1235	LOT	Lot Number: Refer to product label
	Purity: > 98% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: Fibroblast growth factor 19 (FGF-19) is a secreted protein which belongs to the FGFs family. FGF-19 is expressed in fetal brain, cartilage, retina, and adult gall bladder. FGFs modulate cellular activity via at least 5 distinct subfamilies of high-affinity FGF receptors (FGFRs): FGFR-1, -2, -3, and -4, all with intrinsic tyrosine kinase activity. FGFRs can be important for regulation of glucose and lipid homeostasis. FGF19 has important roles as a hormone produced in the ileum in response to bile acid absorption. It has been shown to cause resistance to diet-induced obesity and insulin desensitization and to improve insulin, glucose, and lipid profiles in diabetic rodents. FGF-19 can be considered as a regulator of energy expenditure.

Sequence: Amino acid sequence derived from Human FGF-19 (Arg22-Lys216) (O95750) was expressed with a 6×His tag at the N-terminus.

Protein length: The recombinant Human FGF-19 consists of 195 amino acids and predicts a molecular mass of 21.8 kDa.

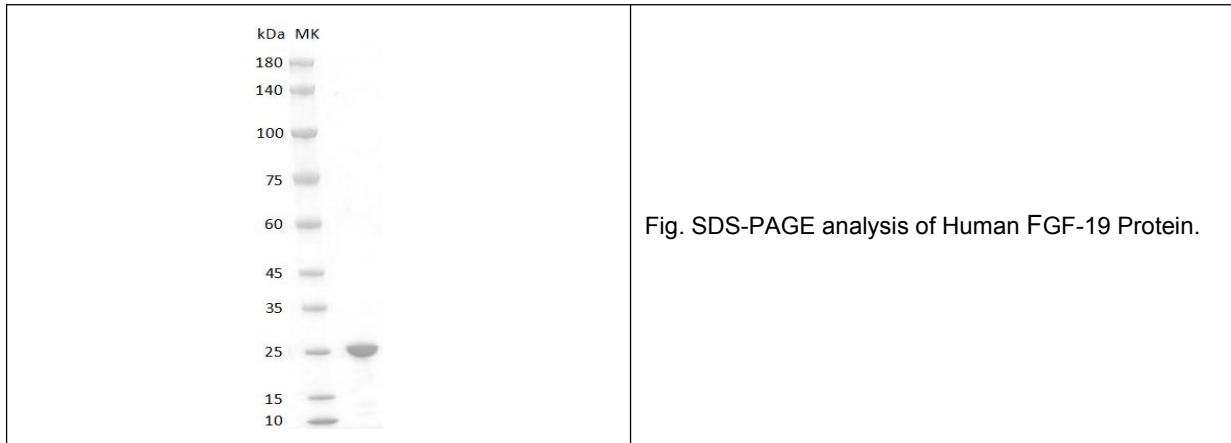
Biological Activity: Testing in progress.

Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0.

Storage Instructions: Lyophilized protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. 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 reconstitute the lyophilized protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.