


Human FGF19 protein

Cat #: PRP100298

Size: 50µg/1mg

Product Information

	Product Name: Human FGF19 protein		
REF	Catalog Number: PRP100298	LOT	Lot Number: Refer to product label
	Purity: > 97 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: FGF19, also known as FGF-19, is a member of the fibroblast growth factor (FGF) family. FGF family members 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. FGF19 interacts with FGFR1, FGFR2, FGFR3 and FGFR4. Affinity between fibroblast growth factors (FGFs) and their receptors is increased by KL, KLB and heparan sulfate glycosaminoglycans that function as coreceptors. It interacts with KL and KLB directly. However, it interacts with FGFR4 in the presence of heparin, KL or KLB. FGF19 is involved in the suppression of bile acid biosynthesis through down-regulation of CYP7A1 expression, following positive regulation of the JNK and ERK1/2 cascades. It also stimulates glucose uptake in adipocytes.

Sequence: Amino acid sequence derived from mature form of human FGF19 (O95750) (Phe27-Lys216) was expressed, with a N-terminal Met.

Protein length: The recombinant human FGF19 consists of 191 amino acids and predicts a molecular mass of 21.4 KDa. It migrates as an approximately 23 KDa band in SDS-PAGE under reducing conditions.

Formulation: Lyophilized from sterile 15% gly, 50mM Tris, 2mM EDTA.

Storage Instructions: Lyophilized Human FGF19 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein 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 or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human FGF19 protein in sterile ddH₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

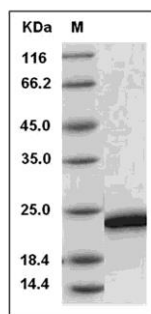


Fig. SDS-PAGE analysis of Human FGF19 protein.

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