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Datasheet for ABIN7455674 FGF19 Protein (His tag)

Overview

Quantity:	50 µg
Target:	FGF19
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGF19 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Fibroblast Growth Factor 19 is produced by our E.coli expression system and the target gene encoding Phe27-Lys216 is expressed with a 6His tag at the N-terminus.
Characteristics:	Extracellular Domain Protein
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	FGF19
Alternative Name:	FGF-19 (FGF19 Products)
Background:	Fibroblast growth factor 19, FGF-19, FGF19Fibroblast growth factor 19 (FGF19) is a secreted protein which belongs to the FGFs family. FGF19 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

Target Details

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. FGF19 can be considered as a regulator of energy expenditure.

Molecular Weight: 23.5 KDa

UniProt: [O95750](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 1 mM EDTA, pH 8.0.

Storage: -20 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months