Datasheet for ABIN7318482

FGF19 Protein (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	FGF19
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGF19 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human FGF-19/FGF9 Protein (His Tag)(Active)
Sequence:	Phe27-Lys216
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human FGF-19-His at 2µg/ml(100 µl/well) can bind Human FGFR3-Fc(Cat: PKSH033678). The ED50 of Human FGF-19-His is 3.1135 ug/ml.

Target Details

Target:	FGF19

Target Details

Alternative Name:	FGF-19 (FGF19 Products)
Background:	Background: Fibroblast 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 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. Synonym: Fibroblast growth factor 19, FGF-19, FGF19
Molecular Weight:	23.5 kDa
UniProt:	O95750
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Comment:	24 kDa
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.