

32-8267: Recombinant Human Fibroblast Growth Factor 19/FGF-19 (N-6His)

Gene : FGF19
Gene ID : 9965
Uniprot ID : O95750

Description

Source: E. coli.
MW :23.5kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : 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.
Amino Acid : MGSSHHHHHSSGLVPRGSHMFSDAGPHVHYGWDPIRLRHLYTSGPHGLSSCFLRIRADGVVDCARGQSA
HSLLEIKAVLRITVAIKGVHVSRYLCMGADGKMQGLLQYSEEDCAFEIEIRPDGYNVYRSEKHRLPVSLSSAKQ
RQLYKNRGFLPLSHFLPMLPMVPEEPEDLRGHLESDFSSPLETDSMDPFGLVTGLEAVRSPSFEK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.