

Recombinant human FGF-19 Protein

Catalog Number: ATGP3972

PRODUCT INFORMATION

Expression system

HEK293

Domain

23-216aa

UniProt No.

O95750

NCBI Accession No.

NP_005108.1

Alternative Names

fibroblast growth factor 19, FGF19

PRODUCT SPECIFICATION

Molecular Weight

23.0kDa (205aa)

Concentration

0.5mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid. In 20mM Tris-HCl(pH8.0) containing 0.1M NaCl, 20% glycerol

Purity

> 95% by SDS - PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

FGF-19, also known as fibroblast growth factor 19, is a member of the FGF family. FGF-19 interacts with FGFR1, FGFR2, FGFR3 and FGFR4. This protein is involved in the suppression of bile acid biosynthesis through down-regulation of CYP7A1 expression, following positive regulation of the JNK and EPK1/2 cascades. FGF-19 is a high affinity, heparin dependent ligand for FGFR4. It also stimulates glucose uptake in adipocytes. Recombinant

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human FGF-19, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<DGSHM>RPLAF SDAGPHVHYG WGDPIRLRHL YTSGPHGLSS CFLRIRADGV VDCARGQSAH SLLEIKAVALL
RTVAIKGVHS VRYLCMGADG KMQGLLQYSE EDCAFEIEIR PDGYNVYRSE KHRLPVSLSS AKQRQLYKNR GFLPLSHFLP
MLPMVPEEPE DLRGHLESDM FSSPLETDSM DPFGGLVTGLE AVRSPSFEK<H HHHHH>

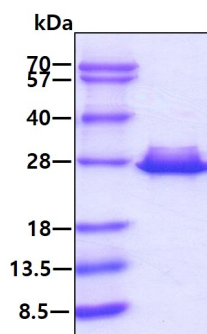
General References

Motylewska E., et al, (2018) Cytokine. 105:32-36.

Lang L., et al, (2019) Curr Cancer Drug Targets. 19:17-25.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain