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# Recombinant human FGF-19 Protein

Catalog Number: ATGP3972

#### PRODUCT INFORMATION

## **Expression system**

**HEK293** 

#### **Domain**

23-216aa

#### UniProt No.

095750

#### **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 adiposytes. Recombinant



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## **Recombinant human FGF-19 Protein**

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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**

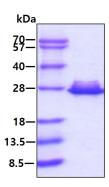
<DGSHM>RPLAF SDAGPHVHYG WGDPIRLRHL YTSGPHGLSS CFLRIRADGV VDCARGQSAH SLLEIKAVAL RTVAIKGVHS VRYLCMGADG KMQGLLQYSE EDCAFEEEIR PDGYNVYRSE KHRLPVSLSS AKQRQLYKNR GFLPLSHFLP MLPMVPEEPE DLRGHLESDM FSSPLETDSM DPFGLVTGLE AVRSPSFEK<H HHHHHH>

### **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

