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## Product Data Sheet

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Product Name: FGF19 Human, HEK  
 Cat. No.: GP26023  
 Batch No.: 1

### Product Data

Purity	>98%	Source	HEK293 cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	fibroblast growth factor 19, FGF19.		
Amino Acid Sequence	DGSHMRPLAF SDAGPHVHYG WGDPIRLRHL YTSGPHGLSS CFLRIRADGV VDCARGQSAH SLLEIKAVAL RTVAIKGVHS VRYLCMGADG KMQGLLQYSE EDCAFEIEIR PDGYNVYRSE KHRLPVSLSS AKQRQLYKNR GFLPLSHFLP MLPMVPEEPE DLRGHLESDM FSSPLETDSM DPFGLVTGLE AVRSPSFEKH HHHHH		
Formulation	FGF19 protein (0.5mg/ml) contains 20mM Tris-HCl(pH8.0), 20% glycerol and 0.1M NaCl.		

### Introduction

Fibroblast Growth Factor-19 (FGF-19) is a member of the FGF family. FGF-19 interacts with FGFR1, FGFR2, FGFR3 and FGFR4. FGF-19 takes part in the suppression of bile acid biosynthesis through downregulation of CYP7A1 expression, following positive regulation of the JNK and ERK1/2 cascades. FGF-19 stimulates glucose uptake in adipocytes and is a high affinity, heparin dependent ligand for FGFR4.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

FGF19 Mouse Recombinant produced in HEK293 cells is a single, glycosylated polypeptide chain (a.a 23-216) containing 205 amino acids and having a molecular mass of 23.0 kDa. FGF19 is fused to a 6 amino acid His-tag at C-terminus & purified by

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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proprietary chromatographic techniques.

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