

FGF-19 Protein, Human

Cat. No.:	HY-P7172
Synonyms:	rHuFGF-19; FGF19
Species:	Human
Source:	E. coli
Accession:	O95750 (R23-K216)
Gene ID:	9965
Molecular Weight:	Approximately 21.8 kDa

PROPERTIES

AA Sequence	<p> M R P L A F S D A G P H V H Y G W G D P I R L R H L Y T S G P H G L S S C F L R I R A D G V V D C A R G Q S A H S L L E I K A V A L R T V A I K G V H S V R Y L C M G A D G K M Q G L L Q Y S E E D C A F E E E I R P D G Y N V Y R S E K H R L P V S L S S A K Q R Q L Y K N R G F L P L S H F L P M L P M V P E E P E D L R G H L E S D M F S S P L E T D S M D P F G L V T G L E A V R S P S F E K </p>
Biological Activity	The ED ₅₀ is <150 ng/mL as measured by murine Balb/c 3T3 cells, corresponding to a specific activity of >6.7 × 10 ³ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water or aqueous buffer containing 0.1% BSA.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Fibroblast growth factor 19 (FGF19, also called FGF15 in rodents) is a member of a subfamily of fibroblast growth factors that govern nutrient metabolism. FGF19 binds to a receptor complex composed of the FGF receptor 4 (FGFR4) and a coreceptor called β-Klotho, which are both highly expressed in liver. FGF19 is an enterokine synthesized and released when bile acids are taken up into the ileum. FGF19 stimulates hepatic protein and glycogen synthesis but does not induce lipogenesis. FGF19 activates a physiologically important, insulin-independent endocrine pathway that regulates hepatic</p>
------------	--

protein and glycogen metabolism^[1].

REFERENCES

[1]. Kir S, et al. FGF19 as a postprandial, insulin-independent activator of hepatic protein and glycogen synthesis. Science. 2011 Mar 25;331(6024):1621-4.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA