

FGF-19 Protein, Human (Flag)

Cat. No.:	HY-P7172A
Synonyms:	rHuFGF-19; FGF19
Species:	Human
Source:	E. coli
Accession:	O95750 (R25-K216)
Gene ID:	9965
Molecular Weight:	Approximately 23.36 kDa

PROPERTIES

AA Sequence	<p>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</p> <p>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</p> <p>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</p> <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</p> <p>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	Measured in a cell proliferation assay using murine Balb/c 3T3 cells. The ED ₅₀ is <150 ng/mL, corresponding to a specific activity is >6.7×10 ³ IU/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 μm filtered solution in 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 PBS. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). 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	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
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lipogenesis. FGF19 activates a physiologically important, insulin-independent endocrine pathway that regulates hepatic protein and glycogen metabolism^[1].

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

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