

## FGF-15 Protein, Mouse (His-SUMO)

Cat. No.:	HY-P71526
Synonyms:	FGF-15; Fgf15; FGF15_MOUSE; FGF19; Fibroblast growth factor 15
Species:	Mouse
Source:	E. coli
Accession:	O35622 (R26-K218)
Gene ID:	14170
Molecular Weight:	Approximately 38 kDa

### PROPERTIES

AA Sequence	R P L A Q Q S Q S V    S D E D P L F L Y G    W G K I T R L Q Y L    Y S A G P Y V S N C F L R I R S D G S V    D C E E D Q N E R N    L L E F R A V A L K    T I A I K D V S S V R Y L C M S A D G K    I Y G L I R Y S E E    D C T F R E E M D C    L G Y N Q Y R S M K H H L H I I F I Q A    K P R E Q L Q D Q K    P S N F I P V F H R    S F F E T G D Q L R S K M F S L P L E S    D S M D P F R M V E    D V D H L V K S P S    F Q K
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in PBS, 6% Trehalose, pH 7.4 or 50 mM Tris-HCL, 300 mM NaCl, 200 mM arginine, pH 8.0.
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 ddH <sub>2</sub> O.
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	<p>The FGF-15 Protein plays a crucial role in the suppression of bile acid biosynthesis by down-regulating CYP7A1 expression. Through its regulatory activity, FGF-15 contributes to the intricate control of bile acid homeostasis. Additionally, the protein interacts with MALRD1, suggesting potential involvement in molecular pathways and processes beyond bile acid regulation. The molecular associations and regulatory functions of FGF-15 highlight its significance in maintaining physiological balance, particularly in the context of bile acid metabolism.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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