

FGF-18 Protein, Human (HEK293, His)

Cat. No.:	HY-P73051
Synonyms:	Fibroblast growth factor 18; FGF-18; zFGF5; FGF18
Species:	Human
Source:	HEK293
Accession:	O76093 (E28-A207)
Gene ID:	8817
Molecular Weight:	Approximately 32 kDa

PROPERTIES

AA Sequence	<pre> M Y S A P S A C T C L C L H F L L L C F Q V Q V L V A E E N V D F R I H V E N Q T R A R D D V S R K Q L R L Y Q L Y S R T S G K H I Q V L G R R I S A R G E D G D K Y A Q L L V E T D T F G S Q V R I K G K E T E F Y L C M N R K G K L V G K P D G T S K E C V F I E K V L E N N Y T A L M S A K Y S G W Y V G F T K K G R P R K G P K T R E N Q Q D V H F M K R Y P K G Q P E L Q K P F K Y T T V T K R S R R I R P T H P A </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized FGF18 Protein, Human (HEK293, His) at 10 µg/mL (100 µl/well) can bind rat FGFR4 and the EC ₅₀ is 1.17 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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 ₂ 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	FGF-18 Protein assumes a pivotal role in intricately regulating cell proliferation, differentiation, and migration. Its indispensability extends to the orchestration of normal ossification and bone development, emphasizing its crucial involvement in skeletal maturation. Additionally, FGF-18 Protein demonstrates the ability to stimulate hepatic and
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intestinal proliferation, highlighting its versatile functions across different tissues. The mediation of these cellular processes is facilitated through interactions with FGFR3 and FGFR4, underscoring the significance of FGF-18 Protein in modulating intricate signaling pathways that contribute to fundamental processes in tissue development and homeostasis.

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

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