Animal-Free FGF-18 Protein, Human (His)

Cat. No.:	HY-P700061AF
Synonyms:	FGF-18; zFGF5; FGF18
Species:	Human
Source:	E. coli
Accession:	O76093 (A27-R199)
Gene ID:	8817
Molecular Weight:	Approximately 21.11 kDa

PROPERTIES

AA Sequence	M 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
Biological Activity	Measure by its ability to induce 3T3 cells proliferation. The ED_{50} for this effect is 1.3-2.0 ng/mL. The specific activity of recombinant human FGF-18 is > 5 x 10^5 IU/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 8.0.
Endotoxin Level	<0.1 EU per 1 μg of the protein by the LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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 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.

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