

Animal-Free FGF-14 Protein, Human (His)

Cat. No.:	HY-P700058AF
Synonyms:	Fibroblast growth factor 14; FHF-4; FGF14
Species:	Human
Source:	E. coli
Accession:	Q92915 (A2-T246)
Gene ID:	2259
Molecular Weight:	Approximately 28.28 kDa

PROPERTIES

AA Sequence	<p> A A A I A S G L I R Q K R Q A R E Q H W D R P S A S R R R S S P S K N R G L C N G N L V D I F S K V R I F G L K K R R L R R Q D P Q L K G I V T R L Y C R Q G Y Y L Q M H P D G A L D G T K D D S T N S T L F N L I P V G L R V V A I Q G V K T G L Y I A M N G E G Y L Y P S E L F T P E C K F K E S V F E N Y Y V I Y S S M L Y R Q Q E S G R A W F L G L N K E G Q A M K G N R V K K T K P A A H F L P K P L E V A M Y R E P S L H D V G E T V P K P G V T P S K S T S A S A I M N G G K P V N K S K T </p>
Biological Activity	Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <21 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the 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	The FGF-14 protein likely plays a crucial role in the development and functioning of the nervous system, contributing to the intricate processes that underlie neural structure and activity. Its interaction with SCN8A further suggests potential involvement in modulating the activity of this sodium channel, emphasizing its intricate role in neurophysiology.
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Caution: Product has not been fully validated for medical applications. For research use only.

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