

Animal-Free FGF-11 isoform 2 Protein, Human (His)

Cat. No.:	HY-P700055AF
Synonyms:	Fibroblast growth factor 11; FHF-3; FHF3; Fibroblast growth factor homologous factor 3
Species:	Human
Source:	E. coli
Accession:	NP_001290389.1 (M1-P166)
Gene ID:	2256
Molecular Weight:	Approximately 19.34 kDa

PROPERTIES

AA Sequence	<pre> M S L S P E P Q L K G I V T K L F C R Q G F Y L Q A N P D G S I Q G T P E D T S S F T H F N L I P V G L R V V T I Q S A K L G H Y M A M N A E G L L Y S S P H F T A E C R F K E C V F E N Y Y V L Y A S A L Y R Q R R S G R A W Y L G L D K E G Q V M K G N R V K K T K A A A H F L P K L L E V A M Y Q E P S L H S V P E A S P S S P P A P </pre>
Biological Activity	Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <1 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	<p>The protein encoded by this gene belongs to the fibroblast growth factor (FGF) family, known for its broad mitogenic and cell survival activities involved in various biological processes such as embryonic development, cell growth, morphogenesis, tissue repair, and tumor growth. While the specific function of this gene remains to be determined, the expression pattern of its mouse homolog suggests a role in nervous system development. Alternative splicing results in the generation of multiple transcript variants. This FGF-11 isoform 2 protein exhibits broad expression, with notable levels detected in the adrenal gland (RPKM 9.9), skin (RPKM 7.0), and 14 other tissues.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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