

Animal-Free FGF-17 Protein, Human (His)

Cat. No.:	HY-P700060AF
Synonyms:	Fibroblast Growth Factor 17; FGF-17; FGF17
Species:	Human
Source:	E. coli
Accession:	O60258 (T23-T216)
Gene ID:	8822
Molecular Weight:	Approximately 23.32 kDa

PROPERTIES

AA Sequence	<p>T Q G E N H P S P N F N Q Y V R D Q G A M T D Q L S R R Q I R E Y Q L Y S R T S</p> <p>G K H V Q V T G R R I S A T A E D G N K F A K L I V E T D T F G S R V R I K G A</p> <p>E S E K Y I C M N K R G K L I G K P S G K S K D C V F T E I V L E N N Y T A F Q</p> <p>N A R H E G W F M A F T R Q G R P R Q A S R S R Q N Q R E A H F I K R L Y Q G Q</p> <p>L P F P N H A E K Q K Q F E F V G S A P T R R T K R T R R P Q P L T</p>
Biological Activity	Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <5 ng/mL. The specific activity of recombinant human FGF-17 is > 2 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.
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>FGF-17 Protein assumes a crucial role in regulating embryonic development and serves as a signaling molecule in the induction and patterning of the embryonic brain. Its presence is essential for normal brain development, emphasizing its significance in shaping the intricate processes of embryogenesis. Notably, FGF-17 interacts with FGFR3 and FGFR4, underscoring its involvement in intricate signaling cascades that contribute to the precise orchestration of developmental events in the embryonic brain.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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