

## FGF-17 Protein, Human (His)

<b>Cat. No.:</b>	HY-P71905A
<b>Synonyms:</b>	FGF 13; FGF 17; FGF-17; FGF13; Fgf17; FGF17_HUMAN; Fibroblast growth factor 17; HH20
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	O60258 (T23-T216)
<b>Gene ID:</b>	8822
<b>Molecular Weight:</b>	Approximately 25 kDa

### PROPERTIES

<b>AA Sequence</b>	<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>
<b>Biological Activity</b>	Measured in a cell proliferation assay using Balb-3T3 mouse fibroblast cells. The ED <sub>50</sub> for this effect is 69.02-93.17 ng/mL, corresponding to a specific activity is 1.073×10 <sup>4</sup> to 1.449×10 <sup>4</sup> units/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, 200 mM arginine, pH 7.0.
<b>Endotoxin Level</b>	<1 EU/μg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	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
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events in the embryonic brain.

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

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