

## FGF-22 Protein, Human (His-SUMO)

<b>Cat. No.:</b>	HY-P700494
<b>Synonyms:</b>	Fibroblast growth factor 22; FGF22; FGF-22
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9HCT0 (T23-S170)
<b>Gene ID:</b>	27006
<b>Molecular Weight:</b>	30.1 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>T P S A S R G P R S      Y P H L E G D V R W      R R L F S S T H F F      L R V D P G G R V Q</p> <p>G T R W R H G Q D S      I L E I R S V H V G      V V V I K A V S S G      F Y V A M N R R G R</p> <p>L Y G S R L Y T V D      C R F R E R I E E N      G H N T Y A S Q R W      R R R G Q P M F L A</p> <p>L D R R G G P R P G      G R T R R Y H L S A      H F L P V L V S</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<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.
<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>	<p>FGF-22, a multifaceted protein, is intricately involved in diverse physiological processes, including the fasting response, glucose homeostasis, lipolysis, and lipogenesis. Beyond its metabolic roles, FGF-22 exhibits the capacity to stimulate cell proliferation in vitro, highlighting its impact on cellular dynamics. Moreover, the protein may contribute to the intricate processes underlying hair development. Functionally, FGF-22 engages in significant molecular interactions, forming complexes with FGFR1 and FGFR2, essential players in FGF signaling pathways. Additionally, it interacts with FGFBP1, further emphasizing its involvement in finely tuned regulatory networks that govern various cellular and metabolic activities.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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