

## C1QTNF3/CTRP3 Protein, Human (His)

<b>Cat. No.:</b>	HY-P71648
<b>Synonyms:</b>	C1ATNF3; C1q and tumor necrosis factor related protein 3 Complement C1q tumor necrosis factor related protein 3 ; Complement C1q tumor necrosis factor-related protein 3; Corcs; CORS 26; Cors; CORS26; CTRP3; FLJ37576
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9BXJ4 (23Q-246K)
<b>Gene ID:</b>	114899
<b>Molecular Weight:</b>	Approximately 28.2 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> Q D E Y M E S P Q T   G G L P P D C S K C   C H G D Y S F R G Y   Q G P P G P P G P P G I P G N H G N N G   N N G A T G H E G A   K G E K G D K G D L   G P R G E R G Q H G P K G E K G Y P G I   P P E L Q I A F M A   S L A T H F S N Q N   S G I I F S S V E T N I G N F F D V M T   G R F G A P V S G V   Y F F T F S M M K H   E D V E E V Y V Y L M H N G N T V F S M   Y S Y E M K G K S D   T S S N H A V L K L   A K G D E V W L R M G N G A L H G D H Q   R F S T F A G F L L   F E T K           </pre>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
<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>C1q/ TNF-associated proteins (CTRPs) are a family of secreted proteins with a specific structure. CTRPs have a wide range of effects on survival signaling, inflammation, metabolism and insulin sensitization. Complement C1q tumor necrosis factor-related protein 3 inhibits proliferation, migration, and ECM accumulation in keloid fibroblasts by regulating TGF-β1/Smad signaling pathway. Play an anti-fibrotic role. C1QTNF3 is involved in the pathogenesis and insulin resistance of polycystic ovary syndrome (PCOS). C1qtnf3 reduces intestinal inflammation through the Sirtuin 1/NF-κB signaling pathway. C1QTNF3 affects lipid metabolism and necrotic inflammation of renal tubular cells through AMPK signaling pathway. C1QTNF3 alleviates myocardial ischemia/reperfusion injury in mice by activating the LAMP1/JIP2/JNK pathway<sup>[1][2][3][4][5]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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