

## CCN2/CTGF Protein, Human (His)

<b>Cat. No.:</b>	HY-P72153
<b>Synonyms:</b>	CCN 2; CCN family member 2; CCN2; Connective tissue growth factor; IGFBP-8; IGFBP8; NOV2
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	P29279 (G253-A349)
<b>Gene ID:</b>	1490
<b>Molecular Weight:</b>	Approximately 15.1 kDa

### PROPERTIES

<b>AA Sequence</b>	G K K C I R T P K I      S K P I K F E L S G      C T S M K T Y R A K      F C G V C T D G R C C T P H R T T T L P      V E F K C P D G E V      M K K N M M F I K T      C A C H Y N C P G D N D I F E S L Y Y R      K M Y G D M A
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm solution of 10 mM Tris-HCl, 1 mM EDTA, 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>	CCN2/CTGF protein, a major connective tissue mitogen, is secreted by vascular endothelial cells. It plays a crucial role in promoting the proliferation and differentiation of chondrocytes. Additionally, CCN2/CTGF mediates heparin- and divalent cation-dependent cell adhesion in various cell types, including fibroblasts, myofibroblasts, endothelial cells, and epithelial cells. Furthermore, it enhances fibroblast growth factor-induced DNA synthesis. CCN2/CTGF exists as a monomer and interacts with TSKU.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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