

Active Recombinant Human CCN2 Protein

Cat. No. CCN2-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCN2 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Connective tissue growth factor (CTGF) is a mitogen that is secreted by vascular endothelial cells in response to basic fibroblast growth factor (bFGF) or vascular endothelial growth factor (VEGF). CTGF promotes cell growth, migration, adhesion, and survival of endothelial cells. CTGF is also important during osteogenesis, chondrogenesis, and skeletogenesis. CTGF has an insulin-like growth factor binding protein (IGFBP) domain, a thrombospondin type 1 repeat (TSR) domain, and a C-terminal cysteine knot motif.
Bio-activity	HUVEC Proliferation, ED50≤2,000 ng/mL
Molecular Mass	Monomer, 11.2 kDa (98 aa)
AA Sequence	MGKKCIRTPKISKPIKFELSGCTSMKTYRAKFCGVCTDGRCTPHRTTTLTPVEFKCP DGEVMKKNNMMFIKTCACHYNCPGDNDIFESLYYRKMYGDMA
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥90%, Reducing and Non-Reducing SDS PAGE

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Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	CCN2 cellular communication network factor 2 [Homo sapiens (human)]
Official Symbol	CCN2
Synonyms	CCN2; cellular communication network factor 2; CTGF; NOV2; HCS24; IGFBP8; CCN family member 2; IBP-8; IGF-binding protein 8; IGFBP-8; connective tissue growth factor; hypertrophic chondrocyte-specific protein 24; insulin-like growth factor-binding protein 8
Gene ID	1490

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mRNA Refseq	NM_001901
Protein Refseq	NP_001892
MIM	www.omim.org/entry/121009
UniProt ID	P29279

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