

Recombinant Human CCN5 Protein

Cat. No. CCN5-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCN5 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	WNT1-inducible-signaling pathway protein 2 (WISP-2) is a member of the CYR61/CTGF/NOV (CCN) family of regulatory factors. WISP-2 is expressed in ectodermal, mesodermal, and endodermal lineages, including primary osteoblasts, fibroblasts, mesenchymal stem cells, and adipogenic precursor cells. WISP-2 is a canonical WNT ligand that regulates cell proliferation, adhesion, and metastasis. Secreted WISP-2 promotes mesenchymal precursor cell proliferation and maintains them in an undifferentiated state. In bone-forming osteoblasts, WISP-2 promotes osteoblast adhesion and inhibits osteocalcin production.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 24.4 kDa (228 aa)
AA Sequence	MQLCPTPCTCPWPPPRCPLGVPLVLDGCGCCRVCCARRLGEPDQLHVCDASQGL VCQPGAGPGGRGALCLLAEDDSSCEVNGRLYREGETFQPHCSIRCRCEDGGFTCV PLCSEDVRLPSWDCPHPRRVEVLGKCCPEWVCGQGGGLGTQPLPAQGPQFSGLV SSLPPGVPCPEWSTAWGPCSTTCGLGMATRVSNQNRFCRLETQRRRLCLSRPCPPS RGRSPQNSAF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
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 10 mM acetic acid 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	CCN5 cellular communication network factor 5 [Homo sapiens (human)]
Official Symbol	CCN5
Synonyms	CCN5; cellular communication network factor 5; CT58; WISP2; CTGF-L; CCN family member 5; WNT1 inducible signaling pathway protein 2; connective tissue growth factor-like protein; connective tissue growth factor-related protein 58

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	8839
mRNA Refseq	NM_003881
Protein Refseq	NP_003872
MIM	www.omim.org/entry/603399
UniProt ID	O76076

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA