

Product datasheet for **SC122664**

CCN5 (NM_003881) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CCN5 (NM_003881) Human Untagged Clone
Tag: Tag Free
Symbol: CCN5
Synonyms: CT58; CTGF-L; WISP2
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003881 edited
 GTGTGTGTGTGTGTGTGTGTGTGCACGCGCGCGCGCGTGTACGCGTGCCTGTGCCTGT
 GTGTGCCTGGGAGTGACCTCACAGCTGCCGGAACATAAAGACTCACAGGTCGGCCTCCCA
 GGCTCAAAGCTGGCTCTGCAGGGGACATGAGAGGCACACCGAAGACCCACCTCCTGGCCT
 TCTCCCTCCTCTGCCTCCTCTCAAAGGTGCGTACCCAGCTGTGCCCGACACCATGTACCT
 GCCCTGGCCACCTCCCGATGCCCGCTGGGAGTACCCCTGGTGTGGATGGCTGTGGCT
 GCTGCCGGGTATGTGCACGGCGGCTGGGGAGCCCTGCGACCAACTCCACGTCTGCGACG
 CCAGCCAGGGCCTGGTCTGCCAGCCGGGGCAGGACCCGGTGGCCGGGGGCCCTGTGCC
 TCTTGGCAGAGGACGACAGCAGCTGTGAGGTGAACGGCCGCTGTATCGGAAGGGGAGA
 CCTTCCAGCCCCACTGCAGCATCCGCTGCCGCTGCGAGGACGGCGGCTTACCTGCGTGC
 CGCTGTGCAGCGAGGATGTGCGGCTGCCAGCTGGGACTGCCCCACCCAGGAGGGTGC
 AGGTCCTGGGCAAGTGTGCCCTGAGTGGGTGTGCGGCCAAGGAGGGGGACTGGGGACCC
 AGCCCCCTCCAGCCCAAGGACCCAGTTTTCTGGCCTTGTCTTCCCTGCCCCCTGGTG
 TCCCTGCCCAGAATGGAGCACGGCCTGGGGACCCTGCTCGACCACCTGTGGGCTGGGCA
 TGGCCACCCGGGTGTCCAACCAGAACCGCTTCTGCCGACTGGAGACCCAGCGCCGCTGT
 GCCTGTCCAGGCCCTGCCACCTCCAGGGTGCAGTCCACAAAACAGTGCCTTCTAGA
 GCCGGGCTGGGAATGGGGACACGGTGTCCACCATCCCCAGCTGGTGGCCCTGTGCCTGG
 CCCTGGGCTGATGGAAGATGGTCCGTGCCAGGCCCTTGGCTGCAGGCAACACTTTAGCT
 TGGTCCACCATGCAGAACACCAATATTAACACGCTGCCTGGTCTGTCTGGATCCCGAGG
 TATGGCAGAGGTGCAAGACCTAGTCCCCTTCTCCTAACTCACTGCCTAGGAGGCTGGCC
 AAGGTGTCCAGGTCCTTAGCCCACTCCCTGCCTACACACACAGCCTATATCAAACATG
 CACACGGGCGAGCTTTCTCTCCGACTTCCCCTGGGCAAGAGATGGGACAAGCAGTCCCTT
 AATATTGAGGCTGCAGCAGGTGCTGGGCTGGACTGGCCATTTTTCTGGGGTAGGATGAA
 GAGAAGGCACACAGATTCTGGATCTCCTGCTGCCTTTTCTGGAGTTTGTAAAATTGTT
 CCTGAATACAAGCCTATGCGCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003881 unedited</p> <pre> NGGGTGTTTGGGATATTTGTNATACGACTCACTATAGGCGGCCGNAATTCGGCCATTA CGGCCGGGGNAGAAATTTATATGTATTGTGTGTGTGTGTGTGTGCACGCGCGCGC GCGCGTGTGTACGCGTGCCTGTGTGTGCCTGGGAGTGACCTCACAGCTGCCGGA ACATAAAGACTCACAGGTCGCCCTCCCAGGCTCAAAGCTGGCTCTGCAGGGGACATGAGA GGCACACCGAAGACCCACCTCCTGGCCTTCTCCCTCCTCTGCCTCCTCTCAAAGGTGCGT ACCCAGCTGTGCCCGACACCATGTACCTGCCCCGCCCCACCTCCCCGATGCCCGTGGGA GTACCCCTGGTGCTGGATGGCTGTGGCTGCTGCCGGGTATGTGCACGCGCGCTGGGGAG CCCTGCGACCAACTCCACGTCTGCGACGCCAGCCAGGGCCTGGTCTGCCAGCCCCGGGCA GGACCCGGTGGCCGGGGGCCCTGTGCCTTTGGCAGAGGACGACAGCAGCTGTGAGGTG AACGGCCCGCTGTATCGGGAAGGGGAGACCTTCCAGCCCCACTGCAGCATCCGCTGCCGC TGCGAGGACGGCGGCTTACCTGCGTGCCGCTGTGCAGCGAGGATGTGCGGCTGCCAGC TGGGACTCCCCACCCAGGAGGGTCGAGGCTCGGGCAAGTGTGCCCTGAGTGGGTG TGGGCCCAAGAGGGGACTGGGACCCAGCCCCCTCCAGCCCAAGGACCCAGTTTTCN TGCCCTTGTCTCTCCCTGCCCCCTGGTGTCCCCTGCCAGAATGGAGCACGGGCCTGGG GCCCTGCTCGACCACCTGGTGGCTGGGCATGGGCACCCGGGTGTCCAACCAGAACCGC TTCTGCCGACTGAAGAC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_003881
Insert Size:	1450 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003881.2 , NP_003872.1
RefSeq Size:	1433 bp

RefSeq ORF:	753 bp
Locus ID:	8839
UniProt ID:	O76076
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Gene Summary:	<p>This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like (CT) domain. The encoded protein lacks the CT domain which is implicated in dimerization and heparin binding. It is 72% identical to the mouse protein at the amino acid level. This gene may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Its expression in colon tumors is reduced while the other two WISP members are overexpressed in colon tumors. It is expressed at high levels in bone tissue, and may play an important role in modulating bone turnover. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) retains an intron in its 5' UTR compared to variant 1. Both variants 1 and 3 encode the same isoform (1).</p>