

Product datasheet for **SC118973**

CCN2 (NM_001901) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCN2 (NM_001901) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCN2
Synonyms:	CTGF; HCS24; IGFBP8; NOV2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118973 sequence for NM_001901 edited (data generated by NextGen Sequencing)

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ATGACCGCCGCCAGTATGGGCCCGTCCGCGTCGCCTTCGTGGTCCCTCGCCCTCTGC
AGCCGGCCGGCCGTCGGCCAGAAGTGCAGCGGGCCGTGCCGGTGCCCGGACGAGCCGGCG
CCGCGCTGCCCGGGCGGTGAGCCTCGTGTGACGGCTGCGGGTGTGCCCGCTCTGC
GCCAAGCAGCTGGGCGAGCTGTGACCGAGCGGACCCCTGCGACCCGCAAGGGCCTC
TTCTGTGACTTCGGCTCCCCGGCCAACCGCAAGATCGGCGTGTGACCGCCAAAGATGGT
GCTCCCTGCATCTTCGGTGGTACGGTGTACCGCAGCGGAGAGTCCCTCCAGAGCAGCTGC
AAGTACCAGTGCACGTGCCTGGACGGGGCGGTGGGCTGCATGCCCTGTGCAGCATGGAC
GTTGCTGTGCCAGCCCTGACTGCCCTTCCCGAGGAGGTCAAGCTGCCCGGAAATGC
TGCAGGAGTGGGTGTGTGACGAGCCAAAGACCAACCGTGGTTGGCCTGCCCTCGCG
GCTTACCGACTGGAAGACACGTTTGGCCAGACCAACTATGATTAGAGCCAAGTGCCTG
GTCCAGACCACAGAGTGGAGCGCCTGTTCCAAGACCTGTGGGATGGGCATCTCCACCCGG
GTTACCAATGACAACGCCTCCTGCAAGGTAGAGAAGCAGAGCCGCTGTGCATGGTCAAG
CCTTGGGAAGCTGACCTGGAAGAGAACATTAAGAAGGGCAAAAAGTGCATCCGTAATCCC
AAAATCTCAAGCCTATCAAGTTTGAGCTTTCTGGCTGCACCAGCATGAAGACATACCGA
GCTAAATTCTGTGGAGTATGTACCGACGGCCGATGCTGCACCCCCACAGAACCACCACC
CTGCCGGTGGAGTCAAGTGCCTGACGGCGAGGTGATGAAGAAGAATGATGTTTCATC
AAGACCTGTGCCTGCCATTACAAGTGTCCCGGAGACAATGACATCTTTGAATCGCTGTAC
TACAGGAAGATGTACGGAGACATGGCATGA

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Clone variation with respect to NM_001901.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001901 unedited
 GGGGGGGAGNNNGTTNCTTCTCENNNNNNNGGGTCGAGAATTGTNATACCACTTATATAG
 GCGGCCCGGNAATTCGCACCCGAGGNAAGNAGACAGCCAGTGCAGCTCCACCCCTCCAGCT
 CGACGGCAGCCGCCCCGGCCGACAGCCCCGAGACGACAGCCCGGCGCGTCCCGGTCCCA
 CCTCCGACCACCGCCAGCGCTCCAGGCCCGCGCTCCCGCTCGCCGCCACCGGCCCT
 CCGCTCCGCCCCGAGTGCCAACCATGACCGCCGCCAGTATGGGCCCGTCCGCGTCCGCT
 TCGTGGTCTCTCGCCCTCTGCAGCCGCGCCGCTCGGCCAGAACTGCAGCGGGCCGT
 GCCGGTGCCCGGACGAGCCGCGCGCTGCCCGGCGGCGTGAGCCTCGTGCTGGACG
 GCTGCGGCTGCTGCCGCTCTGCCCAAGCAGCTGGGCGAGCTGTGCACCGAGCGCGACC
 CCTGCGACCCGCACAAGGGCCTCTTGTGACTTCGGCTCCCGGCCAACCGAAGATCG
 GCGTGTGCACCGCAAAGATGGTGTCCCTGCATCTTCGGTGGTACGGTGTACCGCAGCG
 GAGAGTCTTCCAGAGCAGCTGCAAGTACCAGTGCACGTGCCTGGACGGNGCGGTGGCT
 GCATGCCCTGTGCAGCATGGACGTTCTGTGCCAGCCCTGACTGCCCTTCCCGAGGA
 GGGNTCAGCTGCCNNGAAATGCTGCNNAGAGTGGGTGTGTGACAAGCCCAGGACCAAC
 CGTGGNNTGGCCTGCCCTCGCGCTTACCGACTGNNAGACAGTTTGGNCCANACCCCA
 CTATGATTANAGCCAACCTGCCTGGTCCAGACACAGAGTGGNAGCCCTGTTTCAAGACTG
 TTGGATGGGCATCTTCCACCCGGGTTACCAATGACAACGCTCCTGCAGGTANAGAGCA
 NAGCCGCTGTGCATGGTCAGGCCTTGGGAANCTGACCTGGAAGAGAACATTTAGAGGCC
 AAAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001901 unedited
 GCCGCAATCTAGAGTCGAGTTT
 TTTTTTTTTAAAAAAAATACCTTTTTTTTCAACTAAAAGGGGCAAACATGTAAC
 TTTGGTACACTTTCAACAAATAAACTGTCCGAAAACAGTCTTTTCAAAGTAAAAACA
 ATGCTTCCAGGGGAAAAAAGTATCAGCTTTTTAAAGTCACTCAGTTTTTAATAAAGGCC
 ATTTGTTCAATAAAGGGAGGCTACCACATTTCTACCTAAAAATCACCTGCCAAGGAC
 ACTGATGCCTCCCTTTGCAACAATTTGTTTTGACGGACTGTCTTTTTATTTGAGCAAA
 ATTTCCATATAAGTATCCATTTTCATGCTTTGAAACGATCAAACAAGCTTTACATTCTACCT
 ATGGGGTTCAAAAATTGAGGCTAACATTGAAATATCAAAGCCTTAAAAACAAAAATAAAA
 AGGCCAAACAACCTTTAAATTAACCTAAATAACTGCCCTATATTTTTTTTTCCCCACAC
 CCCACCCCCCAATTTTTACAATATAATTTTTAAAAAATCTGGCTTTGTACAGGCAAT
 TCACTTGCCACAAGCTGTCCAGTTTATTCGACGGATTTGATTCTGACAGGGTCTTTCCG
 AACAAAATGTGAGAACTGAATCTGTTGTTTACTTAGAGAACACTTGACTAATCCCTTG
 ATGGCTGGAAATGCCACTCTAACTGTAAGGGCTACAGCCGGTAAGGAACCCCTAATT
 TTCTTTAATTACCTTAAAAGCCGCTTTTACCCGATAAAAGCTTTGGGAGAACTACCTT
 TTTGGGGCCCCCCCCCTGTTTTAGGCCCCCTTATATACTTTGGGGCTGGGACAAGGA
 ATCCCTGGAAGGTTTAACCTTTCCAA

Restriction Sites:

NotI-NotI

ACCN:

NM_001901

Insert Size:

2500 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:	<p>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).</p>
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_001901.1 , NP_001892.1
RefSeq Size:	2312 bp
RefSeq ORF:	1050 bp
Locus ID:	1490
UniProt ID:	P29279
Cytogenetics:	6q23.2
Domains:	IB, tsp_1, VWC, CT, Cys_knot
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis. [provided by RefSeq, Nov 2009]</p>