

Product datasheet for **SC310465**

CCN1 (CYR61) (NM_001554) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCN1 (CYR61) (NM_001554) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCN1
Synonyms:	CYR61; GIG1; IGFBP10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC310465 sequence for NM_001554 edited (data generated by NextGen Sequencing)

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ATGAGCTCCCGCATCGCCAGGGCGCTCGCCTTAGTCGTCACCCCTTCTCCACTTGACCAGG
CTGGCGCTCTCCACCTGCCCGCTGCCTGCCACTGCCCTGGAGGCGCCCAAGTGCGCG
CCGGGAGTCGGGCTGGTCCGGGACGGCTGCGGCTGCTGTAAAGTCTGCGCCAAGCAGCTC
AACGAGGACTGCAGAAAACGCAGCCCTGCGACCACCAAGGGGCTGGAATGCAACTTC
GGCGCCAGCTCCACCGCTCTGAAGGGATCTGCAGAGCTCAGTCAGAGGGCAGACCCTGT
GAATATAACTCCAGAATCTACAAAACGGGAAAGTTTCCAGCCCAACTGTAAACATCAG
TGCACATGTATTGATGGCGCCGTGGGCTGCATTCTCTGTGTCCCAAGAACTATCTCTC
CCCAACTTGGGCTGTCCCAACCCTCGGCTGGTCAAAGTTACCGGGCAGTGTGCGAGGAG
TGGGTCTGTGACGAGGATAGTATCAAGGACCCCATGGAGGACCAGGACGGCCTCCTTGGC
AAGGAGCTGGGATTCGATGCCTCCGAGGTGGAGTTGACGAGAAACAATGAATTGATTGCA
GTTGAAAAGGCAGCTCACTGAAGCGGCTCCCTGTTTTTGAATGGAGCCTCGCATCCTA
TACAACCCTTTACAAGGCCAGAAATGTATTGTTCAAACAACCTTATGGTCCCAGTGCTCA
AAGACCTGTGAACTGGTATCTCCACACGAGTTACCAATGACAACCTGAGTGCCGCCTT
GTGAAAGAAACCCGATTTGTGAGGTGCGGCCTTGTGGACAGCCAGTGTACAGCAGCCTG
AAAAAGGGCAAGAAATGCAGCAAGACCAAGAAATCCCCGAACCAAGTCAAGTTTACTTAC
GCTGGATGTTTGTGAGTGTGAAGAAATACCGGCCCAAGTACTGCGGTTTCTCGTGGACGGC
CGATGCTGCACGCCCCAGCTGACCAGGACTGTGAAGATGCGGTTCCGCTGCGAAGATGGG
GAGACATTTTCCAAGAAGCTCATGATGATCCAGTCTGCAAATGCAACTACAACCTGCCCG
CATGCCAATGAAGCAGCGTTTTCCCTTCTACAGGCTGTTCAATGACATTCACAAATTTAGG
GACTAA

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Clone variation with respect to NM_001554.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001554 unedited</p> <pre> NGGCGGTCAAATTGTATACGACTCCTATAGGCGGCCCGGAATCGGCACCAGGCAGCCCG CGAGCAGCGCCCGCGCCCTCCGCGCCTTCTCCGCGGGACCTCGAGCGAAAGACGCCCCG CCGCGCCCGAGCCCTCGCTCCCTGCCACCGGGCACACCGCGCCGCCACCCCGACCCCG CTGCGCACGGCCTGTCCGCTGCACACAGCTTGTGGCGTCTTCGTCGCCCGCTCGCC CGGGCTACTCTGCGCGCCACAATGAGCTCCCGCATCGCCAGGGCGCTCGCCTTAGTCGT CACCTTCTCCACTTGACCAGGCTGGCGCTCTCCACCTGCCCGCTGCCACTGCCCGCC CCTGGAGGCCCAAGTGCAGCGCGGGAGTCGGGCTGGTCCGGGACGGCTGCGGCTGCTG TAAGGTCTGCGCCAAGCAGCTCAACGAGGACTGCAGCAAAACGCAGCCCTGCGACCACAC CAAGGGGCTGGAATGCAACTTCGGCGCCAGCTCCACCGCTCTGAAGGGGATCTGCAGAGC TCAGTCAGAGGGCAGACCCTGTGAATATAACTCCAGAATCTACCAAAACGGGAAAGTTT CCAGCCCAACTGTAACATCAGTGCACATGTATTGATGGCGCCGTGGGCTGCATTCTCT GTGTCCCAAGAATATCTCTCCCAACTTGGGCTGTCCCAACCTCGGCTGGTCAAAGT TACCGGGCAGTGTGCGAGGAGTGGGTCTGTGACGAGGATAGTATCAAGGACCCCATGGN AGACCAGGACNGCCTCCTTGGCAGGAGCTGGGATTCGATGCCTCCGAGGTGGAGTTGACG AGAACAATGAATGATNGCAGTTGAAAAGGCAGCTCACTGAAGCGGCTCCCTGGNTTTGG AATGGAGCTCGCATCTATACACC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001554 unedited</p> <pre> AGGNANAGCACTGGGNGAGGTCACAGGCTGCCACCCGGGTATCTGTTGAGGCAAACAGC TATGACCCGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTAGGTAAT ATTTCTTTATTAATGGTAATTCCATAAATAAAATCTTTTCACTGAATATAAAATTA ATCATTTACAAATATTCCAGTATTACATTTCCCTCCCTCCCAAAAGCTACATTTTGA TAAATAAAACATTCAGTCTTAAACACCTGATTTCTGTTGTCAGTTTAGAGTGCAGATAG CTGCCTCTCACAGACACTCATGGAGTGTCCCCCTTCAGGAAGGGATGGAATGCCCTCCCA TTTACTTTTGTCAAAGGACAAATAAAAGCTTTAACTGTCCAATAATCTTATTATCTCT TTTACGACTGTAGAACCCCAAAAGGAAAAAGCCTAGAGAAAAATGCTTAGCATATAAT TTACAAACAGAAAAACAGAAATGCATCAACTCCACAAGCTCCAAAATGAAGCAGTAACATG TGCTCCAATACTATGAAGCAAAGTATTCTCAATCGTGGCTGCATTAGTGTCCATCCGCA CCAGACCCTTGGCAGTTTCGAAATACCTTAATGCTCCTCAAGAATGAGCAAGGCTTCT TTCTACAATGAGTCCCACACCCACACCCCGCCCATTTTCTCCATGATTCTGATTC TGACACTCTNTCTCCTTGTGTTGTCTAGGTGTGCCCTGGAACCCAGTAGCATTTAGTCCC TAAATTTGTGAATGTCATTGCACAGCCTGTAGAAGGAAACGCTGCTTATTGGCATGCGG GCATTTGTAGTTGCATTTGCAGGACTGGATCATCATGACGTTCTTG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001554
Insert Size:	2000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:

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_001554.3](#), [NP_001545.2](#)

RefSeq Size: 2037 bp

RefSeq ORF: 1146 bp

Locus ID: 3491

UniProt ID: [O00622](#)

Cytogenetics: 1p22.3

Domains: IB, tsp_1, VWC, CT, Cys_knot

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Gene Summary: The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and extracellular matrix formation. [provided by RefSeq, Sep 2011]