

Product datasheet for **RG203492**

CCN1 (CYR61) (NM_001554) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCN1 (CYR61) (NM_001554) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCN1
Synonyms:	CYR61; GIG1; IGFBP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203492 representing NM_001554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCCCGCATCGCCAGGGCGCTCGCCTTAGTCGTCACCCTTCTCCACTTGACCAGGCTGGCGCTCT
CCACCTGCCCCGCTGCCACTGCCCTGGAGGCGCCAAGTGCAGCGCCGGGAGTCGGGCTGGTCCG
GGACGGCTGCGGCTGCTGAAGGTCTGCGCCAAGCAGCTCAACGAGGACTGCAGCAAACGCAGCCCTGC
GACCACACCAAGGGGCTGGAATGCAACTCGGCAGCTCCACCCTCTGAAGGGGATCTGCAGAGCTC
AGTCAGAGGGCAGACCCTGTGAATATACTCCAGAATCTACAAAACGGGAAAGTTCCAGCCAACTG
TAAACATCAGTGACATGTATTGATGGCGCCGTGGGCTGCATTCCCTCTGTGTCCCAAGAACTATCTCTC
CCCAACTTGGGCTGTCCCAACCCCTCGGCTGGTCAAAGTTACCGGGCAGTGTGCGAGGAGTGGGTCTGTG
ACGAGGATAGTATCAAGGACCCATGGAGGACCAGGACGGCTCCTTGGCAAGGAGCTGGGATTCGATGC
CTCCGAGGTGGAGTTGACGAGAAACAATGAATTGATTGCAGTTGGAAAAGGCAGCTCACTGAAGCGGCTC
CCTGTTTTTGAATGGAGCCTCGCATCCTATAACCCCTTACAAGGCCAGAAATGTATTGTTCAAACAA
CTTCATGGTCCCAGTGCTCAAAGACCTGTGGAAGTGTATCTCCACACGAGTTACCAATGACAACCCCTGA
GTGCCGCTTGTGAAAGAAACCCGGATTTGTGAGGTGCGGCTTGTGGACAGCCAGTGTACAGCAGCCTG
AAAAGGGCAAGAAATGCAGCAAGACCAAGAAATCCCCGAACCCAGTCAGGTTTACTTACGCTGGATGTT
TGAGTGTGAAGAAATACCGGCCAAGTACTGCGGTTCTGCGTGGACGGCCGATGCTGCACGCCACGCT
GACCAGGACTGTGAAGATGCGGTTCCGCTGCGAAGATGGGAGACATTTTCCAAGAACGTCATGATGATC
CAGTCTGCAAATGCAACTACAACCTGCCGCATGCCAATGAAGCAGCGTTTCCCTTCTACAGGCTGTTCA
ATGACATTCACAAATTTAGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203492 representing NM_001554
 Red=Cloning site Green=Tags(s)

MSSRIARALALVVTLHLTRLALSTCPAACHCPLAEPKCAPGVGLVRDGGCGCKVCAKQLNEDCSKTQPC
 DHTKGLECNFGASSTALKGICRAQSEGRPCYEYSRIYQNGESFQPNCKHQCTCIDGAVGCIPLCPQELSL
 PNLGCPNPRLVKVTGQCCEEWVCEDEDSIKDPMEDQDGLLGKELGFDASEVELTRNNELIAVGKGSLLKRL
 PVFGMEPRILYNPLQGQKCIQVTTSSWSQCSKTCTGTGISTRVTNDNPECRLVKETRICEVRCGPVYSSL
 KKGGKCSKTKKSPEPVRFYAGCLSVKKYRPKYCGSCVDGRCCTPQLTRTVKMRFRCEDETFSKNVMMI
 QSCKCNYNCPHANEAAFPFYRLFNDIHKFRD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001554

ORF Size: 1143 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001554.5](#)

RefSeq Size: 2037 bp

RefSeq ORF: 1146 bp

Locus ID: 3491

UniProt ID: [O00622](#)

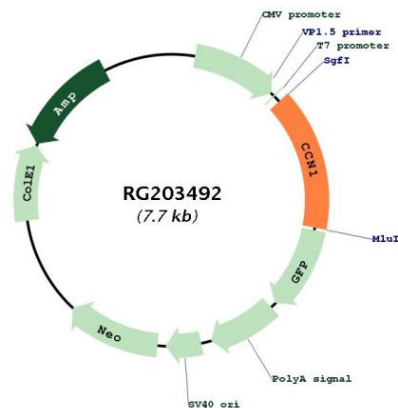
Cytogenetics: 1p22.3

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]

Product images:



Circular map for RG203492