

Product datasheet for **RG201986**

CCN3 (NOV) (NM_002514) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCN3 (NOV) (NM_002514) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCN3
Synonyms:	IBP-9; IGFBP-9; IGFBP9; NOV; NOVh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201986 representing NM_002514 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAGTGTGCAGAGCACGAGCTTTTGTCTCCGAAAGCAGTGCCTTTGCCTGACCTTCTGCTTCTCC
ATCTCCTGGGACAGGTCGCTGCGACTCAGCGCTGCCCTCCCCAGTGCCCGGGCCGGTGCCCTGCGACGCC
GCCGACCTGCGCCCCGGGTGCGCGGGTGTGGACGGCTGCTCATGCTGTCTGGTGTGTGCCCGCCAG
CGTGGCGAGAGCTGCTCAGATCTGGAGCCATGCGACGAGAGCAGTGGCCTCTACTGTGATCGCAGCGCGG
ACCCAGCAAACAGACTGGCATCTGCACGGCGGTAGAGGGAGATAACTGTGTGTTTCGATGGGGTCATCTA
CCGAGTGGAGAGAAATTCAGCCAAGCTGCAAATCCAGTGCACCTGCAGAGATGGGCAGATTGGCTGT
GTGCCCGCTGTGAGCTGGATGTGCTACTGCCTGAGCCTAACTGCCAGCTCCAAGAAAAGTTGAGGTGC
CTGGAGAGTGTGTGAAAAGTGGATCTGTGGCCAGATGAGGAGGATTCACTGGGAGGCCTTACCCTTGC
AGCTTACAGGCCAGAAGCCACCCTAGGAGTAGAAGTCTCTGACTCAAGTGTCAACTGCATTGAACAGACC
ACAGAGTGGACAGCATGCTCCAAGAGCTGTGGTATGGGGTTCTCCACCCGGGTACCAATAGGAACCGTC
AATGTGAGATGCTGAAACAGACTCGGCTCTGCATGGTGGCGCCCTGTGAACAAGAGCCAGAGCAGCCAAC
AGATAAGAAAAGGAAAAAGTGTCTCCGCACCAAGAAGTCACTCAAAGCCATCCACCTGCAGTTCAAGAAC
TGCACCGCTGCACACCTACAAGCCAGGTTCTGTGGGTCTGCAGTGTGGCCGCTGCTCACTCCCC
ACAATACCAAAACCATCCAGGCAGAGTTTCAGTGTCTCCAGGGCAAATAGTCAAGAAGCCAGTGTGTT
CATTGGGACCTGCACCTGTACACCAACTGTCTAAGAACAATGAGGCCTTCTCCAGGAGCTGGAGCTG
AAGACTACCAGAGGGAAAATG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201986 representing NM_002514
 Red=Cloning site Green=Tags(s)

MQSVQSTSFCLRKQCLCLFLLHLLGQVAATQRCPPQCPGRCPATPPTCAPGVRAVLGDCSCCLVCARQ
 RGEESCSDLEPCDESSGLYCDRSADPSKQTGICTAVEGDNCVFDGVIYRSGEKFQPSCKFQCTCRDGGQIGC
 VPRCQLDVLLEPNCAPAPRKVEVPGECEKWKICGPDEEDSLGGLTLAAYRPEATLGVEVSDSSVNCIEQT
 TEWTACKSKCGMGFSTRVTNRRQCEMLKQTRLCMVRPCEQEPEQPTDKKGKKCLRTKSLKAIHLQFKN
 CTSLHTYKPRFCGVCS DGRCC T PHNTKTIQAEFQCSPGQIVKKPVMVIGTCTCHTNC PKNNEAFLQLELEL
 KTRRGKM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002514

ORF Size: 1071 bp

OTI Disclaimer: 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.

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_002514.2](#), [NP_002505.1](#)

RefSeq Size: 2389 bp

RefSeq ORF: 1074 bp

Locus ID: 4856

UniProt ID: [P48745](#)

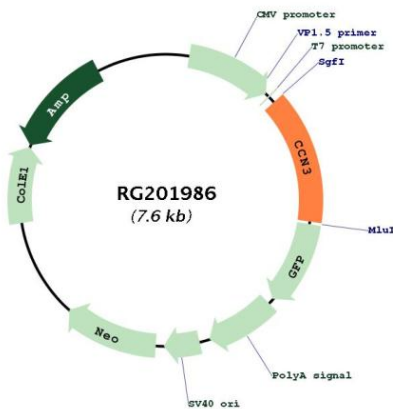
Cytogenetics: 8q24.12

Domains: IB, tsp_1, VWC, CT, Cys_knot

Protein Families: ES Cell Differentiation/IPS, Secreted Protein

Gene Summary: The protein encoded by this gene is a small secreted cysteine-rich protein and a member of the CCN family of regulatory proteins. CNN family proteins associate with the extracellular matrix and play an important role in cardiovascular and skeletal development, fibrosis and cancer development. [provided by RefSeq, Feb 2009]

Product images:



Circular map for RG201986