

## Product datasheet for **SC118570**

### CCN3 (NOV) (NM\_002514) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCN3 (NOV) (NM_002514) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCN3
Synonyms:	IBP-9; IGFBP-9; IGFBP9; NOV; NOVh
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118570 sequence for NM_002514 edited (data generated by NextGen Sequencing)

```

ATGCAGAGTGTGCAGAGCAGCAGACTTTTGTCTCCGAAAGCAGTGCCTTTGCCTGACCTTC
CTGCTTCTCCATCTCCTGGGACAGGTGCGTGCAGCTCAGCGCTGCCCTCCCCAGTGCCCG
GGCCAGTGCCCTGCGACGCCGCCGACCTGCGCCCCGGGGTGCAGCGGGTCTGGACGGC
TGCTCATGCTGTCTGGTGTGTGCCCGCCAGCGTGGCGAGAGCTGCTCAGATCTGGAGCCA
TGCGACGAGAGCAGTGGCCTCTACTGTGATCGCAGCGCGGACCCAGCAACCAGACTGGC
ATCTGCACGGCGGTAGAGGGAGATAACTGTGTGTTGATGGGGTTCATCTACCGCAGTGGA
GAGAAATTTAGCAAGCTGCAATTCAGTGCACCTGCAGAGATGGGCAGATTGGCTGT
GTGCCCCGCTGCAGCTGGATGTGCTACTGCCTGAGCCTAACTGCCAGCTCCAAGAAAA
GTTGAGGTGCCTGGAGAGTGTGTGAAAAGTGGATCTGTGGCCAGATGAGGAGGATTCA
CTGGGAGGCCCTTACCCTTGACAGCTTACAGGCCAGAAAGCCACCCTAGGAGTAGAAGTCTCT
GACTCAAGTGTCAACTGCATTGAACAGACCACAGAGTGGACAGCATGCTCCAAGAGCTGT
GGTATGGGGTTCTCCACCCGGGTACCAATAGGAACCGTCAATGTGAGATGCTGAAACAG
ACTCGGCTCTGCATGGTGCAGCCCTGTGAACAAGAGCCAGAGCAGCCAACAGATAAGAAA
GGAAAAAGTGTCTCCGACCAAGAAAGTCACTCAAAGCCATCCACCTGCAGTTCAAGAAC
TGCACCAGCCTGCACACCTACAAGCCAGGTTCTGTGGGGTCTGCAGTGTGGCCGCTGC
TGCACTCCCACAATAACAAAACCATCCAGGCAGAGTTTCAGTGTCCCCAGGGCAAATA
AATGAGGCCTTCTCCAGGAGCTGGAGCTGAAGACTACCAGAGGGAAAATGTAA

```

Clone variation with respect to NM\_002514.3  
125 g=>a



[View online »](#)

**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_002514 unedited
GGGTTTCGAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCAGCGAAG
AAGTCTCGTTTGGTAAAAGCGAGAGGGGAAAGCCTGAGCATGCAGAGTGTGCAGAGCACG
AGCTTTTGTCTCCGAAAGCAGTGCCTTTGCCTGACCTTCTGCTTCTCCATCTCTGGA
CAGGTCTGCTGCGACTCAGCGCTGCCCTCCCCAGTGCCCGGGCCAGTGCCTGCGACGCCG
CCGACCTGCGCCCCGGGTGCGCGGGTGTGACGGCTGCTCATGCTGTCTGGTGTGT
GCCCCCAGCGTGGCGAGAGCTGCTCAGATCTGGAGCCATGCGACGAGAGCAGTGGCCTC
TACTGTGATCGCAGCGCGGACCCAGCAACCAGACTGGCATCTGCACGGCGGTAGAGGGA
GATAACTGTGTTCGATGGGGTCACTACCGCAGTGGAGAGAAATTTAGCCAAGCTGC
AAATTCAGTGCACCTGCAGAGATGGGCAGATTGGCTGTGTGCCCGCTGCAGCTGGAT
GTGCTACTGCCTGAGCCTAACTGCCAGCTCCAAGAAAAGTTGAGGTGCCTGGAGAGTGC
TGTGAAAAGTGGATCTGTGGCCAGATGAGGAGGATTCACTGGGAGGCCTTACCCTTGCA
GCTTACAGGCCAGAAGCCACCCTAGGAGTAGAAGTCTCTGACTCAAGTGTCAACTGCATT
GAACAGACCACAGAGTGGACAGCATGCTCCAAGAGCTGTGGTATGGNGTTCTCCACCCGG
GTCACCAATAGGAACCGTCAATGTGAGATGCTGAAACAGACCTCGCTCTGCATGGTGGG
GCCTGTGAACAAGACCCGAGCAGCCAACAGATTAGAAAGGAAAAAGTGTCTTC
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_002514 unedited
CCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAATTCATAAATTTAATT
TTATTTTCAGTAAACAACAATGTTCAACTTTTATGCACCAAAGTAATACAGAGTCACGCA
GCAATAAAATCGTGTATTTTAGTGATATGACAAGTAGAGAAATCAAACATAATATTTTA
CAAAATGTACAATTTATATTTTATAAAACTTTAAAAGAGAGAAGCGGAACACGTGTGG
TGGCATTAAAAGAATGTCTAGATTTAATTTTGCAGCCTACCTTGTAGCCTGACAAACCAG
ATACATGTATGTATACACATATATCTTGATCATGAGTTTTCATAATTATGGCCCAAGGAT
AAGTTTTGGGCATGTCTACAATAATCCAACTCTCATAAAATGTGTGGTCTCTACCAC
CAGTCATGTTGATTTTGCTATTTTTCTCAAAATCCACAAAATGCACATTTGAAACAG
CTATCAGAGGATGTAAGCAAGTGCTTTGGGCCTCAGTTTACTCATCAGTTAGATGAGAGA
ATCCCTGCTAATATGCTGTTTCTGCTTAATTAATAAACTTGNNGGCCTCAGCAGCTTCCA
ATATAAAATGTCTGAGGGCTATGAGGGACCAGTCATCTTTGTATTGGNGAGTTTCTGTT
TAGTTTCTTTCTATTGGAAAGGAGTCAATGTGTCTTAAATGGAGAAAGTTTATGACACCA
GTNCACCTNAGTAAACATTTTCACTTACTGTAGATACCACACGTTTTTCTTAGTGAAAACT
TAACACGAAAAGTTATAGTCATCTCTGGACGTCATGTTGAAAAGCTGCATGTTTCTTGNA
TTTGNACCTGGAAGTCAGAGCTGGTTACCCAAAAGGGAGCACTAGAGAATTTTCCATAA
CCTAATATATGGTTGNAACCTGAACATGAATGTNAGTTTGATCTTAACTC
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_002514

**Insert Size:**

2680 bp

<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002514.2</a> , <a href="#">NP_002505.1</a>
<b>RefSeq Size:</b>	2389 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	4856
<b>UniProt ID:</b>	<a href="#">P48745</a>
<b>Cytogenetics:</b>	8q24.12
<b>Domains:</b>	IB, tsp_1, VWC, CT, Cys_knot
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Secreted Protein
<b>Gene Summary:</b>	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]