

## Product datasheet for **SC322366**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322366  
 GGCGAGCAGTGCCAACTACAGCGAAGAAAGTCTCGTTTTGGTAAAAGCGAGAGGGGAAAG  
 CCTGAGCATGCAGAGTGTGCAGAGCAGGAGCTTTTGTCTCCGAAAAGCAGTGCCTTTGCT  
 GACCTTCTGCTTCTCCATCTCCTGGGACAGGTCGCTGCGACTCAGCGCTGCCCTCCCA  
 GTGCCCGGGCCGGTGCCCTGCGACGCCGCCGACCTGCGCCCCGGGGTGC GCGCGGTGCT  
 GGACGGCTGCTCATGCTGTCTGGTGTGTGCCCGCCAGCGTGGCGAGAGCTGCTCAGATCT  
 GGAGCCATGCGACGAGAGCAGTGGCCTCTACTGTGATCGCAGCGCGGACCCAGCAAACA  
 GACTGGCATCTGCACGGCGGTAGAGGGAGATAACTGTGTGTTTCGATGGGGTCATCTACCG  
 CAGTGGAGAGAAAATTTACGCCAAGCTGCAAATTCAGTGCACCTGCAGAGATGGGCAGAT  
 TGGCTGTGTGCCCGCTGT CAGCTGGATGTGCTACTGCCTGAGCCTAACTGCCAGCTCC  
 AAGAAAAGTTGAGGTGCCTGGAGAGTGTGTGAAAAGTGGATCTGTGGCCAGATGAGGA  
 GGATTCAGTGGGAGGCCTTACCCTTGCAGCTTACAGGCCAGAAGCCACCCTAGGAGTAGA  
 AGTCTCTGACTCAAGTGTCAACTGCATTGAACAGACCACAGAGTGGACAGCATGCTCCAA  
 GAGCTGTGGTATGGGGTTCTCCACCCGGGTACCAATAGGAACCGTCAATGTGAGATGCT  
 GAAACAGACTCGGCTCTGCATGGTGC GGCCTGTGAACAAGAGCCAGAGCAGCCAACAGA  
 TAAGAAAAGAAAAAGTGTCTCCGACCAAGAAGTCACTCAAAGCCATCCACCTGCAGTT  
 CAAGAAGTGCACCAAGCCTGCACACCTACAAGCCAGGTTCTGTGGGGTCTGCAGTATGG  
 CCGCTGTGCACTCCCCACAATACCAAAACCATCCAGGCAGAGTTTCAGTGTCCCCAGG  
 GCAAAATAGTCAAGAAGCCAGTGTGGTCAATGGGACCTGCACCTGT CACACCAACTGTCC  
 TAAGAACAATGAGGCCTTCTCCAGGAGCTGGAGCTGAAGACTACCAGAGGGAAAATGTA  
 ACCTGTCACTCAAGAAGCACACCTACAGAGCACCTGTAGCTGTGCGCCACCCACCATCA  
 AAGGAATAAAGAAAAGTAATGAAGAATCAGATTTTATCCTTGAATCCTATGTATTTTC  
 CTAATGTGATCATATGAGGACCTTTATATCTGTCTTTTATTTAACAAAAAATGTAATTA  
 CTGTAAACTTGGAAATCAAGGTAAGCTCAGGATATGGCTTAGGAATGACTTACTTTCTGT  
 GGTTTTATTACAATGCAAATTTCTATAAATTTAAGAAAACAAGTATATAATTTACTTTG  
 TAGACTGTTTACATTGCACTCATATTTTTGTTGTGCACTAGTGAATTC AAGAAAA  
 TATCACTGTAATGAGTCAGTGAAGTCTAGAATCACTTAACATTTTCATTGTACAAGTAT  
 TACAACCATATATTGAGGTTTATTGGGAAGATTCTCTATTGGCTCCCTTTTGGGTAAAC  
 CAGCTCTGAACCTCCAAGCTCAAATCCAAGGAAACATGCAGCTCTTCAACATGACATCC  
 AGAGATGACTATTACTTTTCTGTTTAGTTTTACACTAGGAAACGTGTTGTATCTACAGTA  
 ATGAAATGTTTACTAAGTGGACTGGTGCATAAACTTTCTCCATTTAAGACACATTGACT  
 CCTTTCCAATAGAAAAGAACTAAACAGAAAACCTCCAATACAAAGATGACTGGTCCCTCA  
 TAGCCCTCAGACATTTATATATTGGAAGCTGCTGAGGCCCCCAAGTTTTTTAATTAAGCA  
 GAAACAGCATATTAGCAGGGATTCTCTCATCTAACTGATGAGTAAACTGAGGCCCAAAGC  
 ACTTGCTTACATCTCTGATAGCTGTTTCAAATGTGCATTTTGTGGAAATTTGAGAAAAA  
 TAGAGCAAAATCAACATGACTGGTGGT GAGAGACCACACATTTTATGAGAGTTTGGAAAT  
 ATTGTAGACATGCCAAAACCTTATCCTTGGGCCATAATTATGAAAACCTCATGATCAAGAT  
 ATATGTGTATACATACATGTATCTGGTTTGT CAGGCTACAAGGTAGGCTGCAAAAATTA  
 TCTAGACATTTCTTTAATGCCACCACACGTGTTCCGCTTCTCTCTTTTAAAGTATTTATA  
 AAAATATAAATGTACATTTTGTAAAATATTATGTTTGATTTCTCTACTTGT CATATCAC  
 TAAATAAACACGATTTTATTGCAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002514

<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>OTI Annotation:</b>	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
<b>Components:</b>	<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>
<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>	<p><a href="#">NM_002514.2</a>, <a href="#">NP_002505.1</a></p>
<b>RefSeq Size:</b>	<p>2389 bp</p>
<b>RefSeq ORF:</b>	<p>1074 bp</p>
<b>Locus ID:</b>	<p>4856</p>
<b>UniProt ID:</b>	<p><a href="#">P48745</a></p>
<b>Cytogenetics:</b>	<p>8q24.12</p>
<b>Domains:</b>	<p>IB, tsp_1, VWC, CT, Cys_knot</p>
<b>Protein Families:</b>	<p>ES Cell Differentiation/IPS, Secreted Protein</p>
<b>Gene Summary:</b>	<p>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]</p>