

## Product datasheet for **MC202654**

### **Ccna2 (NM\_009828) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccna2 (NM_009828) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccna2
Synonyms:	AA408589; Ccn-1; Ccn1; Ccna; Cyca; CycA2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC052730 sequence for NM\_009828  
 GCTCTACGCTCCTCCCGCTGCAGCCTCTGCTCCGCGGGTTCGGCCGCCAGGGTCCCGCGCTGCTCCGGAG  
 CGGCGGGCGCTGTGCACGCTCTGCCGCCGACAGAACCGGACCGGAGCCGCGATGCCGGGCACCTCGAGGC  
 ATTCGGGTCGCGATGCGGGCTCAGCCCTGCTCTCGCTGCATCAGGAAGACCAAGAGAATGTCAACCCCGA  
 AAAACTGGCGCCAGCCCAGCAGCCGCGGGCGCAGGCGGTGCTGAAGGCCGGGAACGTGCGTGGACCCGCG  
 CCGCAGCAGAAGCTCAAGACTCGACGGTTGCTCCTCTTAAGGACCTTCTATAAACGATGAGCATGTCA  
 CTGCTGGTCTTCATGGAAAGCAGTCAGTAAACAGCCTGCCTTACCATTATGTTGGATGAAGCAGAAGA  
 GACTCAGAAGAGGCCAGCTGAGCTTAAAGAAACAGAGTGTGAAGATGCCCTGGCTTTAATGCAGCTGTC  
 TCTTTACCCGGAGCAAGAAAACCACTGACACCTTTGACTATCCAATGGATGGCAGTTTTGAATCACAC  
 ATGCTATGGATATGTCTATTGTCTTAGAAGACAAGCCAGTGAACGTTAATGAAGTACCTGACTATCAAGA  
 AGACATTCACACGTACCTTAGGGAAATGGAGGTTAAATGTAAACCTAAAGTGGGTACATGAAGAGGCAG  
 CCAGACATCACTAACAGCATGAGGGCCATCCTTGTGGACTGGCTGGTTGAGGTGGGAGAAGAATAAAC  
 TACAGAATGAGACCCTGCATTTGGCTGTGAACACATTGATAGATTCTCTCCTCCATGTCTGTGTTAAG  
 AGGAAGCTTCAGCTTGTAGGCACGGCTGCTATGCTGCTAGCTTCAAGTTTGAAGAAATATACCCCCA  
 GAAGTAGCAGAGTTTGTGTATATTACAGACGATACCTATTCGAAGAGCAGGTTCTGAGAATGGAGCACC  
 TAGTATTGAAAGTCTTGTCTTTGACTTGGCTGCACCAACAGTAAATCAGTTCCTTACCCAGTACTTCT  
 GCACCTGCAGCCTGCAAACTGTAAGGTTGAAAGCTTAGCAATGTTTTGGGAGAAGTGAAGTTGATAGAT  
 GCTGACCCGTACCTTAAGTACCTGCCTTCACTCATTGCTGGAGCTGCCTTCCACTTGGCTCTTACACAG  
 TCACAGGACAGAGCTGGCCTGAGTCATTGGCACAACAGACTGGATATACCCTGGAGAGTCTTAAGCCTTG  
 TCTTGTGGACCTTACCAGACCTACCTCAAAGCGCCACAACATGCCCAACAGTCAATACGGGAAAAGTAC  
 AAGCATTCAAAATATCACAGTGTCTCTTCTCAACCCACCAGAGACACTAAGTGTGTGAGTGAAGACT  
 GCCGGCTTGTGTTGAAACAGGAGTCGCTCGGAGTCCATGCTGTACAGTTTTATGTGGGTTTTAGTTTT  
 ACAACTCTGATGTAGATGGTATAGCCACAGACAAATATGGTATCCATTGCTTTAAAATGGTTT  
 TAATTTGTATATCTTTGTACATGTCTATTTGGATAATTTAATTGGTTAACATTGGTCTGCCAACT  
 GTCAAGATATTGAGAATAAACTGATTTGAAATCTTTGCAAGTCAAAGTTAATCTGAGATAAAAATATGA  
 ATGATGTCGTTTAGAACTAACTTGATTTGTTTTATTGTACAGTGGGAGTAGGAAAAGATTTTAAAAA  
 CTAAAATATTTACGGGAAAAAGACCTTCAAATTCTGGCATTGATTGATTATTCTAAGCAACCAACCAAA  
 CTGCTGACTTGTTCATAAATAACCAAAAGTAGACAACTGTTTTCAATGTAGCAGAAGTCACTCGGCTCT  
 CAGATGTTACAGTAGTTTATGGAGACATTTTATTTATCAACTTAAACAAATAAGGCTTACATGAGTTGG  
 GAAGCTTGTGCAACAGAAAAGTTTTCCAGAAAGTTTATTCAAAGCATAATGTTAAAGACAACAGTGTAT  
 CAAGAAGTTCAGCTTGTAAAGATACCCAGAGCTGTTAGCACTGAGTATGTATACACACACACACACAGA  
 GATCCACCACTTATAGCTTGTAGCAGTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT  
 CTCTGGTTTGCAGTGGTCTGAGCTCTGTGAATGAAGTAAATAACAGCTCACTGTATCCCATCTGTCTCT  
 GGATTTGGGTCAGTGGGACTCTGAAAGGTGCCCCATTTTATAGAACCAGCTTTTAAATGTATATTTGAAAGA  
 GGCCAGAAATTTGTACCTTATTTTCTTTGGGTTCTTCTCTGGCTCCAAAATAATCATTTCTTCTTCTTCT  
 ACTATCTGATAGCACTATAGGGGCACCTTTGGAAAAGTCCAAAAAAGGAGTTTACTGCTTAAAGCAGTCA  
 GAGGTCCTAACGCTCCCATCTCCAGGCTAAGGGAGCTCCCAAGCTCTACTGCCCGGAGGCTGACACTCTT  
 TCCGAATCTTACCCTGTTCTAAGTAAGTAGCTCCTTGCAGCTCTGAAAATTTGAAAAATGATTTTTTC  
 TATAAACTCTTTCTTTCTTTTCCCCAGAGGACATGTAGGCCAGAATGCTCTAATCTTGTCTACCAGGA  
 CTGCCCATGAAAAATGTAGAAAAGTCTTTGTTGGCCATTTTTCTTCTTGAACAGTAATTATATATGTGT  
 GTAATAAAGCATGCAAAATTAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_009828  
**Insert Size:** 1269 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).

<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>	<u><a href="#">BC052730</a></u> , <u><a href="#">AAH52730</a></u>
<b>RefSeq Size:</b>	2770 bp
<b>RefSeq ORF:</b>	1269 bp
<b>Locus ID:</b>	12428
<b>UniProt ID:</b>	<u><a href="#">P51943</a></u>
<b>Cytogenetics:</b>	3 17.67 cM
<b>Gene Summary:</b>	Cyclin which controls both the G1/S and the G2/M transition phases of the cell cycle. Functions through the formation of specific serine/threonine kinase holoenzyme complexes with the cyclin-dependent protein kinases CDK1 and CDK2. The cyclin subunit confers the substrate specificity of these complexes and differentially interacts with and activates CDK1 and CDK2 throughout the cell cycle.[UniProtKB/Swiss-Prot Function]