

## Product datasheet for **RR207650**

### Ccna1 (NM\_001011949) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ccna1 (NM\_001011949) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ccna1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207650 representing NM\_001011949  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGTCGCCACAGCTCGAAGAGTGGAGTGCCTCCAGTGGGCCAAGTCTGATGCTTGTGAGA  
TGCTCACCCGAGCTCAGCTTGGCCAGGATCCCCACAGAGAACCCTGCTAGGAGTGTGACTGAAAAATGA  
GCAGTACAGGAGGGCCTGTGGCCAGGAGATCGCAACGATCAGATGTTTTCTGGATCAGAAAATGTCTTC  
CCTGCAGCTGGAAAGAAAGTACTCCCTGACAACGGGGTCACTGAGCCAGCCAAGCATGGATTTGATATCT  
ACATGGATGATCCTGAACAGGGGACAGAGACAGCTGCCAGGGAGAGAGGGCATAGTGTGGAGGATGT  
GTATGAAGTAGACACCAGCATGCTCAAGTCAAGTCTCCACTTCCTGCTGGATTTCAACACAGTTTCCCCA  
ATGCTGGTTGACTCCACCCGCCATGCCAGTCCGAGGAAGCAACGGATTTGGTTCAGATGTGATCAACG  
TAACGGAATATGCAGAGGAGATTTCATCGATACCTTCGAGAAGCTGAAGTAAAGACACAGACCAAGGCTCA  
CTACATGAGGAAGCAGCCGGACATCACGGAGGGCATGCGGCCATCCTGGTGGACTGGCTGGTGGAGGT  
GGGGAAGAATATAAACTCCGCACAGAGACCCTGTACTTGGCTGTCAACTCCTGGACAGGTTTCTTCTCT  
GCATGTCTGTTCTGAGAGGGAAATTGCAGCTTGTCCGGACAGCAGCTATTCTCCTGGCTTCGAAATACGA  
AGAGATATACCCGCCGATGTGATGAGTTGTCTACATCACTGACGACAGCTACACAAAGCGACAGCTA  
CTGAGGATGGAGCATCTGCTGCTGAAAGTCCCTGGCATTGATCTGACCGTTCCAACCACCAACAGTTCC  
TCCTTCAGTACTTAAGCGGGCAAGGGGTGTGCATCAGGACTGAGAATTTGGCCAAGTATGTTGCAGAACT  
GAGCCTTCTGGAAGCTGACCCATTCTTGAAGTATCTTCTTCTTGGTAGCAGCAGCAGCTTACTGTCTG  
GCAAACTATATTGTGAACAGACACTTCTGGCCAGAAACTTGTGCATTTACGGGCTATTCATTAATG  
AGATTGTCCCTTGCTGAGTGAAGTGCATAAAGCATGCCTCAGTATACCCCATCGACCGCAGCAAGCAAT  
CAGGGAGAAGTACAAGGCTTCAAGTACCTGCAGTGTCCCTCATGGAGCCACCCGATGTTCTTCCCTG  
CAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207650 representing NM\_001011949  
 Red=Cloning site Green=Tags(s)

MRRHSSKSGVALPPVQGPDACQMLTRAQLGQDPPQRTVLGVL TENEQYRRACGQEIATIRCFSGSENVF  
 PAAGKKVLPDNGVSEPAKHGFDIYMDDPEQGDSDCPGREGIVFEDVYVDTSMKSDLHFLDFNTVSP  
 MLVDSTAHQAQSEEDDFGSDVINVTEYAEIHRYLREAEVRHRPKAHYMRKQPDITEGMRAILVDWLVEV  
 GEEYKLRTE TL YLAVNFLDRFLSCMSVLRGKLQLVGTAAILLASKYEEIYPPDVDEFVYITDDTYTKRQL  
 LRMEHLLLVLAFLDLTVPTTNQFLQLYLRQGVCI RTENLAKYVAELSLLEADPFLKYLPSLVAAAAYCL  
 ANYIVNRHFWPETLAAFTGYSLNEIVPCLSELHKACLSIPHRPQQAIREKYKASKYLHVSLMEPPVVLPL  
 Q

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

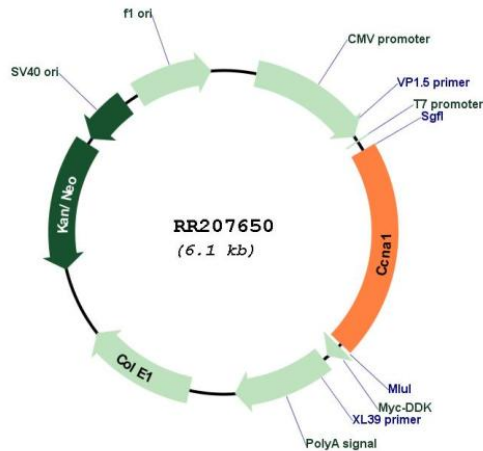
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001011949
<b>ORF Size:</b>	1263 bp
<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001011949.1</a> , <a href="#">NP_001011949.1</a>
<b>RefSeq Size:</b>	1761 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	295052
<b>UniProt ID:</b>	<a href="#">Q6AY13</a>
<b>Cytogenetics:</b>	2q26
<b>MW:</b>	47.7 kDa
<b>Gene Summary:</b>	May be involved in the control of the cell cycle at the G1/S (start) and G2/M (mitosis) transitions. May primarily function in the control of the germline meiotic cell cycle and additionally in the control of mitotic cell cycle in some somatic cells (By similarity). [UniProtKB/Swiss-Prot Function]