

Product datasheet for **MC208227**

Ccna1 (NM_007628) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccna1 (NM_007628) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccna1
Synonyms:	MGC159139
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC208227 representing NM_007628
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCATCGCCAGAGCTCCAAGAGTGGAGTCGCTCTGCCTCCAGTGGGCCAAGTCCTGATGCTTGTCAAA
 TGCTCAGCAGAGCTCAGCTTGGCCAGGATCCCCACAGAGAACCGTGCTAGGGGTGTTGACTGAAAATGA
 GCAGTACAGGAGGACCTGTGGCCAGGAGATCACAGCAATCAGATGTTTTCTGGATCAGAAAATGTCTTC
 CCTGCGGCTGAAAGAAAGTGTCTCTGACCATGGGGTCAATGAACCAGCCAAACGTGGGTTTGATATCT
 ATATGGATGATCCTGAACAGGGGACAGAGATACCTGCTCGGGGAAAGAGGGCATCATATTTGAGGATGT
 GTATGAAGTCGACACCAGCATGCTCAAGTCAGATCTCCACTTCCTGCTGGATTTCAACACAGTTTCCCCA
 ATGCTGGTTGACCCACCCATGCCAGTCAGAGGAAGCAACGGATTTTGGTTCAGATGTGATTAACG
 TAACGGAGTATGCAGAGGAGATTCATCGCTACCTTCGAGAAGCTGAAGTAAGACACAGACCCAAGGCTCA
 CTACATGAGGAAGCAGCCGGACATCACGGAGGGCATGCGGCCATCCTGGTGGACTGGCTGGTGGAGGTT
 GGGGAAGAATATAAACTTCGCACAGAGACCCTGTACTTGGCTGTCAACTTCCTGGACAGGTTTCTCTCCT
 GCATGTCTGTTCTGAGAGGGAATTGCAGCTTGTGCGGACAGCAGCTATTCTCCTGGCTTCGAAATATGA
 AGAGATATATCCGCCGACGTGGATGAGTTGTCTACATCACCGACGATACGTACACAAAGCGACAGCTA
 CTGAGGATGGAGCATCTGCTACTCAAAGTCCTGGCATTGATCTGACCGTTCCAACCACCAACCAATTCC
 TCCTTCAGTACCTAAGGCGTCAAGGAGTGTGCATCAGGACTGAGAATTTGGCCAAGTATGTTGCAGAACT
 GAGCCTTCTGGAAGCTGACCCATTCTTGAAGTATCTTCTTCTTGGTTGCTGCAGCAGCTTACTGCCTG
 GCAAATATATTGTGAACAGACACTTCTGGCCAGAAACACTTGTGCATTACGGGCTATTCATTAATG
 AGATTGTGCCTTGCTGAGTGAGCTGCATAAAGCATGCCTCAGTATCCCCATCGACCGCAGCAAGCAAT
 CAGGGAGAAGTACAAGGCTTCAAGTACCTGCAGTGTCCCTCATGGAGCCGCTGTAGTTCTTCCCTG
 CAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_007628
- Insert Size:** 1266 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).
- 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_007628.3 , NP_031654.2
RefSeq Size:	1581 bp
RefSeq ORF:	1266 bp
Locus ID:	12427
UniProt ID:	Q61456
Cytogenetics:	3 C
Gene Summary:	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.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice donor site in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.