

Product datasheet for **RR206204**

Ccna2 (NM_053702) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ccna2 (NM_053702) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ccna2
 Synonyms: MGC156527
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR206204 representing NM_053702
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCAACTCGAGACAGGCGGGCTCGGCCCTGCTCTCCAGCAGGAAGACCAGGAGAATGTCAACC
 CCGAAAAAGTGGCGCCAGCCAGCAGCCCGGGCGCAGGCGGTGCTGAAGGCCGGAAGGTGCGGGGACC
 GCGGCCGAGCAGAGGCTCAAGACTCGGCGGGTTGCGCCTCTTAAGGACCTTCTATAAACGATGAGCAC
 GTCCTACTGTTCTTCATGAAAAGCAGTCAAGTAAACAGCCTGCCTTACCATTATGTGGATGAAGCTG
 AAGAGACTCAGAAGAGGCCAGCTGAGCAAAAAGAACTCAGTGTGAAGATGCCCTGGCTTTTAGTGCCGC
 TGTCTCTTACCCGAGCCAGAAAACACTGGTACCTCTTGATTACCAATGGATGGTAGTTTTGAATCA
 CCCCATGCTATGGATATATCTATTGTCTTAGAAGACGAAAAGCCAGTGAATGTTAATGAAGTACCTGACT
 ATCATGAAGATATTCACACGTACCTTAGGGAAATGGAGGTTAAATGTAACCTAAAGTGAGTTATATGAA
 GAGGCAGCCAGACATCACTAACAGTATGCGGGCCATCCTTGTGGACTGGCTAGTTGAAGTGGGAGAAGAA
 TATAAACTACAGAATGAGACCTGCATTTGGCTGTGAACACTGATGATAGATTCTCTCCATGTCTG
 TGTTAAGAGGAAAGCTTCAGCTTGTGGCACAGCTGCTATGCTAGCTTCAAAGTTTGAAGAAATATA
 CCCCCAGAAGTAGCAGAGTTTGTGTATATTACGGACGATACCTATTCCAAGAAGCAGGTTCTGAGAATG
 GAGCACCTTGATTGAAAGTCCCTGCTTTTGACTTGGCTGCACCAACAGTAAATCAGTTCCTTACCCAGT
 ACTTCTGCACCTGCAGCCTGCCAACTGCAAGGTAGAAAGCTTAGCGATGTTTTTGGGAGAGTTAAGTTT
 GATAGATGCTGACCCATACCTCAAGTATTTGCCATCGCTTATTGCTGGAGCTGCCCTTCCACTTAGCTCTC
 TACACAGTCACAGGACAAAGCTGGCCTGAGTCATTGGTACAAAAGACTGGATATACCCTAGAAAAGTCTTA
 AGCCTTGCTCATGGACCTTACCAGACCTACCTCAAAGCACCACAGCATGCCAACAGTCAATAAGGGA
 AAAGTACAAGCATTCAAATATCACAGTGTCTCTTCTCAACCCACCAGAGACACTAAATGTG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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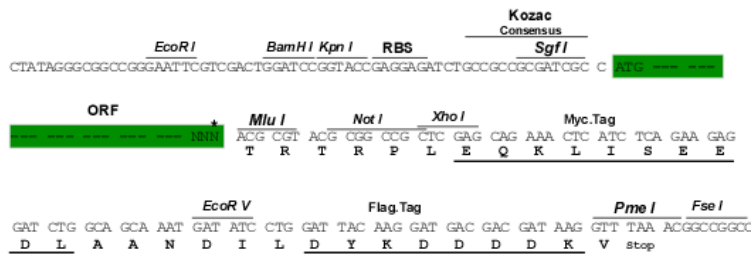
MPGNSRQAGSALLSQEDQENVNPEKVAPAQQPRAQAVLKAGKVRGPAPQQRLKTRRVAPLKDLPINDEH
 VPTVPSWKA VSKQPAFTIHYDEAEETQKRPAEQKETQCEDALAF SAAVSLPGARKPLVPLDYPMDGSFES
 PHAMDISIVLEDEKPVNVNEVPDYHEDIHTYLREMEVKCKPKVSYMKRQPDITNSMRAILVDWLVEVGEE
 YKLQNETLHLAVNYIDRFLSSMSVLRGKLQLVGTAAMLLASKFEEIYPPEVAEFVYITDDTYSKKQVLRM
 EHLVCLKVLAFDLAAPT VNOFLTQYFLHLQPANCKVESLAMFLGELSLIDADPYLKYLP SLIAGA AFHLAL
 YTVTGGQSWPESLVQKTGYTLES LKPCLMDLHQTYLKAPQHAQQSIREKYKHSKYHSVSL LNP PETLNV

TRTRP L EQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:
 Cloning Scheme:

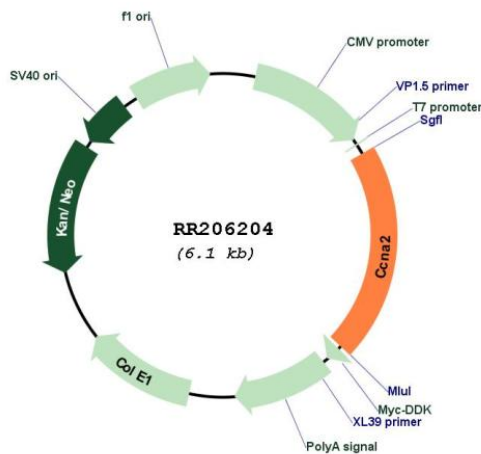
SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_053702

ORF Size:	1254 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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.
RefSeq:	NM_053702.3 , NP_446154.3
RefSeq Size:	1730 bp
RefSeq ORF:	1257 bp
Locus ID:	114494
Cytogenetics:	2q25
MW:	47.1 kDa
Gene Summary:	human homolog plays a role in regulation of DNA synthesis and of mitosis [RGD, Feb 2006]