

## Product datasheet for **RR206058**

### Ccnb2 (NM\_001009470) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnb2 (NM_001009470) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccnb2
Synonyms:	MGC108931
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206058 representing NM_001009470 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGCTGCTCCGACGCCCGACGGTGTCCAGTGATTTGAAGAATATTGACACAGGAGTTAATCCTAAAG  
CTAAGAGCCATGTGACTGTCCGGCGAGCTGTTTTAGAAGAAATTGGAAATAAAGTTAGAGCCAGACCGGC  
TCAAGTGGCTAAGAAACCTCAGAATACCAAAGTACCAGTCCAGCCACCAAGCAATAAATGCCAGCAA  
CAGCCGAAACCTACAGCTTCTGTGAAACCAAGTGCAGATGGAGACTGGCCCCGAAGGATCCTCTGCCTG  
CCCCTGAGGATGTCTCCATGAAGGAAGAGACCTCTGCCAAGCTTTCTCTGATGCTTTGCTCTGCAAGAT  
TGAGGACATAGATAATGAGGACGGGGAGAACCCTCAGCTCTGCAGTGACTACGTGAAGGACATCTACCAG  
TACCTCAGGCAGCTTGAGGCTTTGCAGTCCATCAATCCACATTTCTTAGATGGAAGAGACATAAACGGAC  
GCATGCGTGCCATCCTGGTGGACTGGCTGGTCCAAGTCCATTCCAAGTTTAGGCTTCTGCAGGAGACTCT  
GTACATGTGATTGCTATCATGGACCGTTCCCTCAGGCTCAGCCAGTCTGCCGGAAGAAGCTGCAACTG  
GTTGGGATCACAGCTCTGCTCTGGCTTCCAAATATGAGGAGATGTTTTCTCCAAATATCGAAGACTTTG  
TTTATATCACAGATAATGCTTACACCAGTCCCAATCCGAGAAATGGAGACTCTGATTTTGAAGAGATT  
GAAATTCGAGTTGGCCCGCTTTGCCACTCCACTTCTAAGGCGAGCCTCAAAGCCGGGGAGGTGGAT  
GTTGAACAGCACAGTTAGCCAAGTACCTGATGGAGCTGACCCTCGTCGACTACGACATGGTGCATTACC  
ACCCTTCTCAGGTCGAGCTGCTGCTTCTGCCTCTCTCAGAAGGTGCTGGGCCAAGGAAAATGGAATTT  
AAAGCAGCAGTATTACACAGGCTACATGGAGAGTAAAATACTGGAAGTCATGCAGCACATGGCCAAGAAC  
GTCGTGAAAGTCAATGAAAACCTCACCAGTTCATCGCTGTCAAGAACAATAATGCCAGCAGCAGGCTCC  
TGAAGATCAGCACGATCCCTCAGCTGAAGTCCAGAACCATCAAAGACCTGGCTCCCTCTGATGGGCAG  
ACCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206058 representing NM\_001009470  
Red=Cloning site Green=Tags(s)

MALLRRPTVSSDLKNIDTGVNPKAKSHVTVRRAVLEEIGNKVRARPAQVAKKPQNTKVPVQPTKAINASK  
 QPKPTASVKPVQMETLAPKDPLPAPEDVSMKEESLQAFSDALLCKIEDIDNEDGENPQLCSDYVKDIYQ  
 YLRQLEALQSPHFLDGRDINGRMRAILVDWL VQVHSKFRLLQETLYMCIAIMDRFLQAQPVCRKKLQL  
 VGITALLLASKYEEMFSPNIEDFVYITDNAYTSSQIREMETLILKELKFELGRPLPLHFLRRASKAGEVD  
 VEQHTLAKYLMELTLVDYDMVHYHPSQVAAAASCLSQKVLGQGWNLKQQYYTYGMESEILEVMQHMAKN  
 VYKVNENLTKFIAVKNKYASSRLLKISTIPQLNSRTIKDLASPLMGRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

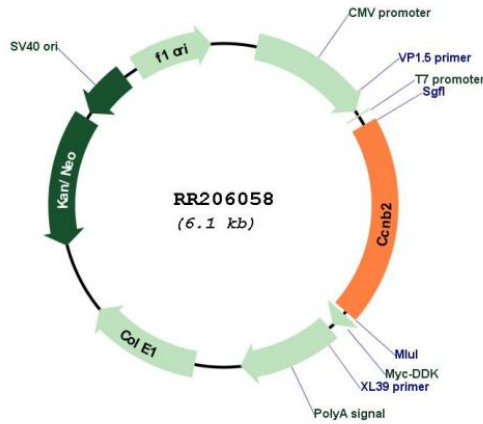
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001009470

<b>ORF Size:</b>	1194 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_001009470.1</a> , <a href="#">NP_001009470.1</a>
<b>RefSeq Size:</b>	1520 bp
<b>RefSeq ORF:</b>	1197 bp
<b>Locus ID:</b>	363088
<b>Cytogenetics:</b>	8q24
<b>MW:</b>	45.1 kDa