

## Product datasheet for **RR204968**

### Cnr2 (NM\_020543) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cnr2 (NM\_020543) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cnr2  
**Synonyms:** CB-2; CB2; CB2C; CNR2C  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR204968 representing NM\_020543  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGGATGCCGGGAGCTGGAGTTGACCAACGGCTCCAATGGCGGCTTGGAGTTCAACCCATGAAGG  
 AGTACATGATCTTGAGTGATGCGCAGCAGATCGCTGTGGCGGTGTGTACCTGATGGGGCTGCTGAG  
 TGCCCTGGAGAAGCTGGCTGTGCTCTATCTCATCTGTCTCGCAGCGGCTCCGAGGAAGCCCTCGTAC  
 CTGTTTCATCGGCAGCTTGCCGGAGCTGACTTCCTGGCCAGCGTGATCTTTGCCTGCAACTTCGTACCT  
 TCCATGTCTTTCACGGTGTGGACTCCAGGAATATCTTCTGTTGAAGATCGGCAGCGTGACCATGACCTT  
 CACGGCCTCTGTGGGAGCCTGCTGCTGACCGCTGTTGACCGATACCTATGTCTGTGCTACCCACCTACC  
 TACAAAGCTCTCGTCACCCGTGGGAGGGCACTGGTGGCCCTTGGTGTGATGTGGGTCTCTCGGCCTTGA  
 TCTCTACCTACCGCTCATGGGGTGGACTTGTGTCTAGTCCCTGTTCTGAACCTTTCCCCCTGATCCC  
 CAACGACTACCTCTGGGCTGGCTTCTTTTCATTGCCATCCTCTTTCTGGCATCATCTATACCTATGGG  
 TATGTCTCTGAAAGCACACCAACATGTAGCCAGCTTGGTGAGCACCAGGACAGGCAAGTGCCTGGGA  
 TAGCTCGGATGCGGCTAGACGTGAGTTGGCCAAGACTCTGGCCCTGGTATGGCTGTTCTGCTCATATG  
 CTGGTTCCTGCACTGGCTCTCATGGGCCATAGCCTGGTACCACACTGAGTGACAAGGTCAAGGAGGCC  
 TTCGCTTCTGCTCCATGCTGTGCTTGTAACTCCATGATCAATCCTATCATTTATGCCCTGCGGAGTG  
 GAGAGATCCGCTCTGCTGCCAGCACTGCCTGACAGGCTGGAAGAAATATCTCCAGGGCCTCGGATCTGA  
 GGGGAAAGAAGAAGCCCCAAAGTCTCAGTTACAGAGACAGAGGCTGAGACTCTGGTCTGAAGGATAAG  
 CAGGAGTTGGGAGGAGACTGCCTGCTGCGGACATCCTCGATCCACAGCCCCATGCTGTCTCTGCGAGATT  
 CAGCCAACAGACAAGACGTCCTGCCATTCCTGCCCAGAGGAACTAACATGGTGGTTCAGTGAGAAGACC  
 AATCAGCCTCCCTAATAAAGCAGGGCAGTCCACTCTGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204968 representing NM\_020543  
Red=Cloning site Green=Tags(s)

MAGCRELELTNGSNGGLEFNPMKEYMILSDAQQI AVAVLCTLMGLLSALENVAVLYLILSSQRLRRKPSY  
 LFIGSLAGADFLASVIFACNFVIFHVHFGVDSRNIFLLKIGSVMTTFTASVGSLLLTAVDRYLCLCYPPT  
 YKALVTRGRALVALGVMWVLSALISYPLMGWTCPCSELFP LIPNDYLLGWLLFIAILFSGIITYYG  
 YVLWKAHQHVASLAEHQDRQVPGIARMRLDVRLAKTLGLVMAVLLICWFPALALMGHSLVTTLSDKVKEA  
 FAFCSMLCLVNSMINPIIYALRSGEIRSAAQHCLTGWKKYLQGLGSEGKEEAPKSSVTETEATLVLKDK  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

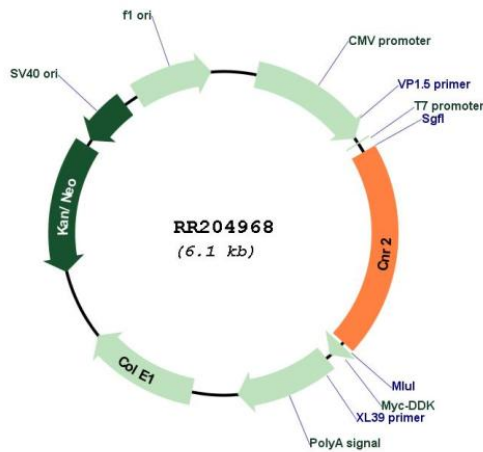
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_020543

<b>ORF Size:</b>	1230 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_020543.4</a> , <a href="#">NP_065418.3</a>
<b>RefSeq Size:</b>	1728 bp
<b>RefSeq ORF:</b>	1233 bp
<b>Locus ID:</b>	57302
<b>UniProt ID:</b>	<a href="#">Q9QZN9</a>
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	45.2 kDa
<b>Gene Summary:</b>	G-protein-coupled transmembrane receptor; pertussis toxin-sensitive modulator of adenylate cyclase activity [RGD, Feb 2006]