

## Product datasheet for MC204152

### Cnr2 (NM\_009924) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cnr2 (NM_009924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnr2
Synonyms:	CB-2; CB2; CB2-R
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC024052

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GGCCAAGCTGTGCCTGAATGAGCAGAGGCACAGGCACCAGCCGTGGCCACCCAGCAAACATCTCTGCTGA
CTCAGACTGGGCCAGTCTTCTGGGACAGCTCCAGTAGAAGAAGCCAAAGCCCATCCATGGAGGGATGCC
GGGAGACAGAAGTGACCAACGGCTCCAACGGTGGCTTGGAGTTCAACCCATGAAGGAGTACATGATCCT
GAGCAGTGGCCAGCAGATCGCCGTGGCGGTGCTGTGCACCCTGATGGGGCTGCTGAGCGCCCTGGAGAAC
ATGGCCGTGCTCTATATTATCCTGCTCCTCCCGCGGCTCCGCAGAAAAGCCCTCGTACCTGTTTCATCAGCA
GCTTGGCTGGAGCTGACTTCTGGCCAGCGTGATCTTCGCTGCAACTTTGTCATCTTCCACGTCTTCCA
CGGGGTCGACTCCAACGCTATCTTCTGCTGAAGATCGGCAGTGTGACCATGACCTTCACAGCCTCTGTG
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AAGCCACCGGCATGTAGCCACCTTGGCTGAGCACCAGGACAGGCAGGTGCTGGGATAGCTCGGATGCG
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TGTTGTTGGGAAAGGGCCCTCCCGACATCCTGATAAGCCTTGAAAGCCATTATGACCTTAGGTCCTTAGG
GGCGCAGAGGAAGCTGGGTTCACTGGAGGTACAAAGTCTTCAGAGAACTCTATTCCTTGTGACATTTTGC
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CAGGGCAAGAGGGTTCTCTTGGCTCTCAATTTTTCTGGTCCCTCATGCCTCAGTGGTCCCCTGTGTGTGG
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TCCTGAGTCAGTTTTCTCAGTTAGATGCTAACTAAGCTCTCTGAGAGACCCTCAAAGTTTTTGGGTTG
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GACTGCTTTTCCAGAGGCTCTGAGTTCAATTTCCAGCAACCACATGGTGGCTCACAACCATCTGTAATGG
AATCTGATGCCCTCTTCTGGTATGTTTGAAGAGAGCGATGGTGTACTCATATACATAAAAATAAGTAATA
AATCTTTTTTTAAAAA
```

**Restriction Sites:**

RsrII-NotI

**ACCN:**

NM\_009924

**Insert Size:**

1044 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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.

**RefSeq:** [BC024052](#), [AAH24052](#)

**RefSeq Size:** 3738 bp

**RefSeq ORF:** 1044 bp

**Locus ID:** 12802

**UniProt ID:** [P47936](#)

**Cytogenetics:** 4 D3

**Gene Summary:** Heterotrimeric G protein-coupled receptor for endocannabinoid 2-arachidonoylglycerol mediating inhibition of adenylate cyclase. May function in inflammatory response, nociceptive transmission and bone homeostasis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.