

## Product datasheet for **MC202084**

### Cd200r1 (NM\_021325) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd200r1 (NM_021325) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd200r1
Synonyms:	CD200R; Mox2r; OX2R
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC052682 sequence for NM\_021325  
AAGAGGTAATCCAGTCCCAGAGAAGTTTCTTCTTCCAAGCCAGGCTAAAGCACGCGAGTGAAGGAGT  
TGGCAGGCAGGACGGGGCTGCTCCCTGCGGATGGGTTAAGAGGTGCGCTACCACGCAGAAGCCAACCCGA  
GAGAAGAGGGATCCGGTTATGGTCACTGCTGCTCCCTTACCTCTGAGGAGAAAAGGTACCGAGTGAGCG  
GCGGAAAACAGAAAACCGAAATGTTTTGCTTTTGGAGAACTTCTGCCCTAGCAGTGTCTTAATATGGG  
GGGTCTTTGTGGCTGGTCAAGTTGACTGATAAGAATCAAACAACACAGAACAACAGTTTCATCTCCTCT  
GACACAAGTGAACACTACAGTGTCTGTACAGATAGGTACAAAGGCTCTGCTCTGCTTTTCTATTCCA  
CTGACAAAAGCAGTATTAAATCACATGGATAATAAAGCTCAGAGGCTGCCATCCTGCACAATAGCATACA  
AAGTAGATACAAAAGACCAATGAAACCAGCTGCTTGGGCAGGAACATCACCTGGGCCTCCACACCTGACCA  
CAGTCCTGAACCTCAGATCAGTGCAGTGACCCTCCAGCATGAGGGGACTTACACATGTGAGACAGTAACA  
CCTGAAGGGAATTTTGA AAAA AACTATGACCTCCAAGTGTGGTGCCTTGAAGTAACCTACTTTCCAG  
AGAAAAACAGATCTGCAGTCTGTGAGGCAATGGCAGGCAAGCCTGCTGCACAGATCTCTTGGTCTCCAGA  
TGGGGACTGTGCTACTACGAGTGAATCACACAGCAATGGCACTGTGACTGTCAGGAGCACATGCCACTGG  
GAGCAGAACAAATGTGCTGATGTGCTCCTGCATTGTCTCTCATTGACTGGTAACCAATCTCTGTCCATAG  
AACTGAGTAGAGGTGGTAACCAATCATTACGACCATATATCCATACATCATACCATCAATTATCATTTT  
GATCATCATAGGATGCATTTGTCTTTTGA AAAATCAGTGGCTTCAGAAAATGCAAATGCCAAAATTAGAA  
GCTACTTCAGCTATTGAGGAGGATGAAATGCAGCCTTATGCTAGCTATACAGAGAAGAGCAATCCACTCT  
ATGATACTGTGACTAAGGTGGAGGCATTTCCAGTATCACAAAGGCGAAGTCAATGGCACAGACTGCCTTAC  
TTTGTGCGCCATTGGAATCTAGAACCAAGAAAAAAGAAGTCAAGAGACATCATAATTACTGCTTTGCTTT  
CTTTAAATTCGACAATGGAAGGACTACTTGGAAATTAGCTCTTCCAAGGCTATTA AAAAAGCACAAATGT  
TCTAATGAAATTCATTTAAATCTATCATTGGAAGTTTGGAAATCTCTGCTGCTACCTGTTAATTTTAGG  
AAGAACTGATTTAATTATTACAAAAGAAAGCACATGGTTATGGTGAATATCAAGTTGTGCAATAAAGTAT  
GATGAAAACAGTTCCTCAAGAAATAACTGCAGGAGGAACAATCATCACTAAAGAAATTTATCATGTGAGT  
TCTTACAAAAAATTCCTATGTATACATGACTATGGTATGTGTGCTCAATTACATGTTTATTACAAATG  
TGTATATATGCACACATTTGCTTTTTCAGGACATCTCCTTGTAAAAAACACACTGGAGTTTTGGATTATA  
AAAGCTTATAAAGTGAGCATTGGAGATATTTTTATATCAGCATAAGTAAATCTACCTCATTCTTTTAAAT  
GGCTACATAGAATTCTCCTGTATGATTACATTGAATTTAATTAATCATGGCCCTTGATTTTTGTGTTGT  
GTGTGGTATTAACAAAACCATGTAGAATAA  
AA AAAAAAAGGGGGGGC

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_021325

**Insert Size:** 981 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:** [BC052682](#), [AAH52682](#)

**RefSeq Size:** 1975 bp

**RefSeq ORF:** 981 bp

**Locus ID:** 57781

**UniProt ID:** [Q9ES57](#)

**Cytogenetics:** 16 B4

**Gene Summary:** Inhibitory receptor for the CD200/OX2 cell surface glycoprotein. Limits inflammation by inhibiting the expression of proinflammatory molecules including TNF-alpha, interferons, and inducible nitric oxide synthase (iNOS) in response to selected stimuli.[UniProtKB/Swiss-Prot Function]