

Product datasheet for **RC218649**

CD200R (CD200R1) (NM_138939) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD200R (CD200R1) (NM_138939) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CD200R1
Synonyms: CD200R; HCRTR2; MOX2R; OX2R
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC218649 representing NM_138939
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCTGCCCTTGGAGAACTGCTAACCTAGGGCTACTGTTGATTTTGACTATCTTCTTAGTGGCCGAAG
CGGAGGGTCTGCTCAACCAACAACCTCATTAAATGCTGCAAAGTACGAAGGAGAATCATGCTTTAGCTTC
AAGCAGTTTATGTATGGATGAAAAACAGATTACACAGAACTACTCGAAAGTACTCGCAGAAGTTAACACT
TCATGGCCTGTAAAGATGGCTACAAATGCTGTGCTTTGTTGCCCTCCTATCGCATTAAAGAAATTTGATCA
TAATAACATGGGAAATAATCCTGAGAGGCCAGCCTTCTGCACAAAAGCCTACAAGAAAGAAACAATGA
GACCAAGGAAACCAACTGTACTGATGAGAGAATAACCTGGGTCTCCAGACCTGATCAGAATTCGGACCTT
CAGATTCGTACCGTGGCCATCACTCATGACGGGTATTACAGATGCATAATGGTAACACCTGATGGGAATT
TCCATCGTGGATATCACCTCAAGTGTTAGGTAAGGAGCATCATATTTGAGGTATTTACATCACCAGA
TTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218649 representing NM_138939
Red=Cloning site Green=Tags(s)

MLCPWRTANLGLLLILTIFLVAEAEAGAAQPNNSLMLQTSKENHALASSSLCMDEKQITQNYSKVLAEVNT
SWPVKMATNAVLCCPPIALRNLIIITWEIILRGQPSCTKAYKNETNETKTNCTDERITWVSRPDQNSDL
QIRTVAITHDGYRYRCIMVTPDGNFHRGYHLQVLGKEHHILRYFTSPDL

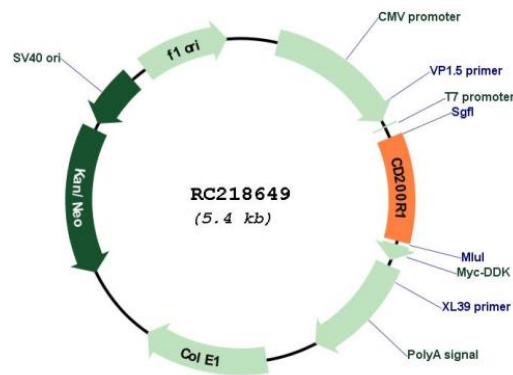
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_138939

ORF Size: 564 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:

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_138939.3](#)

RefSeq Size: 1025 bp

RefSeq ORF: 567 bp

Locus ID: 131450

UniProt ID: [Q8TD46](#)

Cytogenetics: 3q13.2

Protein Families: Druggable Genome, Transmembrane

MW: 21.1 kDa

Gene Summary: This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and the receptor-substrate interaction may function as a myeloid downregulatory signal. Mouse studies of a related gene suggest that this interaction may control myeloid function in a tissue-specific manner. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]