

## Product datasheet for **RG210223**

### CD200R (CD200R1) (NM\_138806) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD200R (CD200R1) (NM_138806) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD200R
Synonyms:	CD200R; HCRTR2; MOX2R; OX2R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210223 representing NM_138806 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCTGCCCTTGGAGAACTGCTAACCTAGGGCTACTGTTGATTTTGACTATCTTCTTAGTGGCCGAAG  
CGGAGGGTGTCTCAACCAAACAACCTCATTAAATGCTGCAAAGTACGAAGGAGAATCATGCTTTAGCTTC  
AAGCAGTTTATGTATGGATGAAAAACAGATTACACAGAACTACTCGAAAGTACTCGCAGAAAGTTAACT  
TCATGGCCTGTAAGATGGCTACAAATGCTGTGCTTTGTTGCCCTCCTATCGCATTAAAGAAATTTGATCA  
TAATAACATGGGAAATAATCCTGAGAGGCCAGCCTTCTGCACAAAAGCCTACAAGAAAGAAACAATGA  
GACCAAGGAAACCAACTGTACTGATGAGAGAATAACCTGGGTCTCCAGACCTGATCAGAATTCGGACCTT  
CAGATTCGTACCGTGGCCATCACTCATGACGGGTATTACAGATGCATAATGGTAACACCTGATGGGAATT  
TCCATCGTGGATATCACCTCCAAGTGTTAGTTACACCTGAAGTGACCCTGTTTCAAAACAGGAATAGAAC  
TGCAGTATGCAAGGCAGTTGCAGGGAAGCCAGCTGCGCATATCTCCTGGATCCCAGAGGGCGATTGTGCC  
ACTAAGCAAGAATACTGGAGCAATGGCACAGTACTGTTAAGAGTACATGCCACTGGGAGGTCCACAATG  
TGTCTACCGTGACCTGCCACGTCTCCATTTGACTGGCAACAAGAGTCTGTACATAGAGCTACTTCTCTGT  
TCCAGGTGCCAAAAAATCAGCAAAATTATATATCCATATATCATCCTTACTATTATTATTTGACCATC  
GTGGGATTCATTTGGTTGTTGAAAGTCAATGGCTGCAGAAAATATAAATTGAATAAAACAGAAATCTACTC  
CAGTTGTTGAGGAGGATGAAATGCAGCCCTATGCCAGCTACACAGAGAAGAACAATCCTCTCTATGATAC  
TACAAACAAGGTGAAGGCATCTGAGGCATTACAAAGTGAAGTTGACACAGACCTCCATACTTTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210223 representing NM\_138806  
Red=Cloning site Green=Tags(s)

MLCPWRTANLGLLLILTIFLVAEAEAAQPNNMLQTSKENHALASSSLCMDEKQITQNYSKVLAEVNT  
 SWPVKMATNAVLCCPPIALRNLIIITWEIILRGQPSCTKAYKKEINETKTNCTDERITWVSRPDQNSDL  
 QIRTVAITHDGYRRCIMVTPDGNFHRGYHLQVLVPEVTLFQNRNRTAVCKAVAGKPAAHISWIPEGDCA  
 TKQEYWSNGTIVTKSTCHWEVHNVSTVTVCHVSHLTGNKSLYIELLPVPGAKKSAKLYIPYIILTIILTI  
 VGFIWLLKVNCRKYKLNKTESTPVVEEDEMOPYASYTEKNNPLYDTTNKVKASEALQSEVDTDLHTL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_138806

**ORF Size:** 1044 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\\_138806.4](#)

**RefSeq Size:** 2272 bp

**RefSeq ORF:** 1047 bp

**Locus ID:** 131450

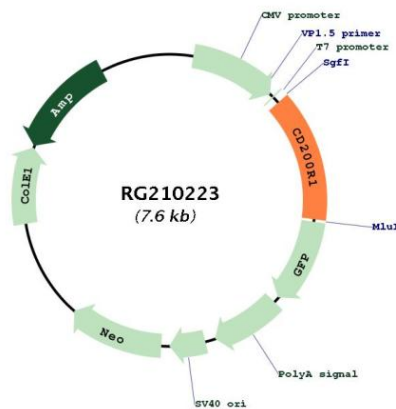
**UniProt ID:** [Q8TD46](#)

**Cytogenetics:** 3q13.2

**Protein Families:** Druggable Genome, Transmembrane

**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]

### Product images:



Circular map for RG210223