

Product datasheet for **RG210870**

CD200R (CD200R1) (NM_170780) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD200R (CD200R1) (NM_170780) 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:	>RG210870 representing NM_170780 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCTGCCCTTGGAGAACTGCTAACCTAGGGCTACTGTTGATTTTGACTATCTTCTTAGTGGCCGCTT
CAAGCAGTTTATGTATGGATGAAAAACAGATTACACAGAATACTCGAAAGTACTCGCAGAAGTTAACAC
TTCATGGCCTGTAAGATGGCTACAAATGCTGTGCTTTGTTGCCCTCCTATCGCATTAAAGAAATTTGATC
ATAATAACATGGGAAATAATCCTGAGAGGCCAGCCTTCTGCACAAAAGCCTACAAGAAAGAAACAATG
AGACCAAGGAAACCAACTGTACTGATGAGAGAATAACCTGGGTCTCCAGACCTGATCAGAATTCGGACCT
TCAGATTCGTACCGTGGCCATCACTCATGACGGGTATTACAGATGCATAATGGTAACACCTGATGGGAAT
TTCCATCGTGGATATCACCTCCAAGTGTTAGTTACACCTGAAAGTGACCCTGTTTCAAACAGGAATAGAA
CTGCAGTATGCAAGGCAGTTGCAGGGAAGCCAGCTGCGCATATCTCCTGGATCCCAGAGGGCGATTGTGC
CACTAAGCAAGAACTACTGGAGCAATGGCACAGTGACTGTTAAGAGTACATGCCACTGGGAGGTCCACAAT
GTGTCTACCGTGACCTGCCAGTCTCCATTTGACTGGCAACAAGAGTCTGTACATAGAGCTACTTCCTG
TTCCAGGTGCCAAAAATCAGCAAAATTATATTTCCATATATCATCCTTACTATTATTATTTTGACCAT
CGTGGGATTCATTTGGTTGTTGAAAGTCAATGGCTGCAGAAAAATAAAATGAATAAAACAGAATCTACT
CCAGTTGTTGAGGAGGATGAAATGCAGCCCTATGCCAGCTACACAGAGAAGAACAATCCTCTCTATGATA
CTACAAACAAGGTGAAGGCATCTGAGGCATTACAAAGTGAAGTTGACACAGACCTCCATACCTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210870 representing NM_170780
 Red=Cloning site Green=Tags(s)

MLCPWRTANLGLLLILTIFLVAASSSLCMDEKQITQNYSKVLAEVNTSWPVKMATNAVLCCPPIALRNLI
 IITWEIILRGQPSTKAYKNETNETKCTNCTDERITWVSRPDQNSDLQIRTVAITHDGYYRCIMVTPDGN
 FHRGYHLQVLVTPVTLFQNRNRTAVCKAVAGKPAAHISWIPEGDCATKQEYWSNGTVTVKSTCHWEVHN
 VSTVTCHVSHLTGNKSLYIELLPVPGAKKSAKLYIPYIILTIIILTIVGFIWLLKVNGCRKYKLNKTEST
 PVVEEDEMOPYASYTEKNNPLYDTTNKVKASEALQSEVDTDLHTL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_170780

ORF Size: 975 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_170780.3](#)

RefSeq Size: 2203 bp

RefSeq ORF: 978 bp

Locus ID: 131450

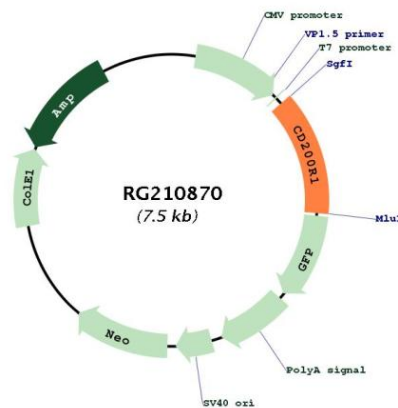
UniProt ID: [Q8TD46](#)

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 RG210870