

Product datasheet for **RG206356**

CD200 (NM_005944) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD200 (NM_005944) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD200
Synonyms:	MOX1; MOX2; MRC; OX-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206356 representing NM_005944 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGGCTGGTGATCAGGATGCCCTTCTGTCATCTGTCTACCTACAGCCTGGTTTGGGTCATGGCAG
CAGTGGTGTGTGCACAGCACAAGTCAAGTGGTGACCCAGGATGAAAGAGAGCAGCTGTACACACCTGC
TTCCTTAAATGCTCTCTGCAAATGCCAGGAAGCCCTCATTGTGACATGGCAGAAAAAGAAAGCTGTA
AGCCAGAAAACATGGTCACCTTCAGCGAGAACCATGGGGTGGTATCCAGCCTGCCTATAAGGACAAGA
TAAACATTACCCAGCTGGGACTCAAAACCTCAACCATCACCTTCTGGAATATCACCTGGAGGATGAAGG
GTGTTACATGTGTCTTCAATACCTTTGGTTTTGGGAAGATCTCAGGAACGGCCTGCCTCACCGTCTAT
GTACAGCCCATAGTATCCCTTCACTACAATTCTCTGAAGACCACCTAAATATCACTTGCTCGCCACTG
CCCGCCAGCCCCATGGTCTTCTGGAAGTCCCTCGGTACGGGATTGAAAATAGTACAGTGACTCTGTC
TCACCCAAATGGGACCACGTCTGTTACCAGCATCCTCCATATCAAAGACCCTAAGAATCAGGTGGGGAAG
GAGGTGATCTGCCAGGTGCTGCACCTGGGGACTGTGACCGACTTAAGCAAACCGTCAACAAAGGCTATT
GGTTTTAGTCCGCTATTGCTAAGCATTGTTCCCTGGTAATTCTTCTCGTCTCAATCTCAATCTTACT
GTACTGGAAACGTCACCGAATCAGGACCGAGAGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206356 representing NM_005944
 Red=Cloning site Green=Tags(s)

MERLVIRMPFCHLSTYSLVWVMAAVVLCTAQVQVVTQDEREQLYTPASLKCSLQNAQEALIVTWQKKKAV
 SPENMVTFSENHGVIQPAYKDKINITQLGLQNSTITFWNITLEDEGCMCLFNTFGFKISGTAQLTVY
 VQPIVLSLHYKFSEDHLNITCSATARPAPMVFWKVPRSGIENSTVLSHPNGTTSVTSILHIKDPKNQVQVK
 EVICQVLHLGTVDKQTVNKGWYFSVPLLLSIVSLVILLVLI SILLYWKRHRNQDREP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_005944

ORF Size: 807 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_005944.4](#), [NP_005935.3](#)

RefSeq Size: 2172 bp

RefSeq ORF: 810 bp

Locus ID: 4345

UniProt ID: [P41217](#)

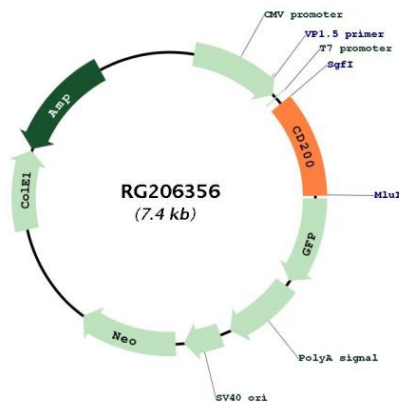
Cytogenetics: 3q13.2

Domains: ig, IGv, IG

Protein Families: Transmembrane

Gene Summary: This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG206356