

Product datasheet for **MG204778**

Cd200r1 (NM_021325) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd200r1 (NM_021325) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd200r1
Synonyms:	CD200R; Mox2r; OX2R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204778 representing NM_021325 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTGCTTTGGAGAACTTCTGCCCTAGCAGTGCTCTTAATATGGGGGTCTTTGTGGCTGGGTCAA
GTTGTACTGATAAGAATCAAACAACACAGAACAACAGTTCATCTCCTCTGACACAAGTGAACACTACAGT
GTCTGTACAGATAGGTACAAAGGCTCTGCTCTGCTGCTTTTCTATTCCACTGACAAAAGCAGTATTAATC
ACATGGATAATAAAGCTCAGAGGCTGCCATCCTGCACAATAGCATACAAAGTAGATACAAAGACCAATG
AAACCAGCTGCTTGGCAGGAACATCACCTGGGCCTCCACACCTGACCACAGTCCGAATTCAGATCAG
TGCAGTGACCCTCCAGCATGAGGGGACTTACACATGTGAGACAGTAACACCTGAAGGGAATTTGAAAA
AACTATGACCTCCAAGTCTGGTGCCTTGAAGTAACCTACTTTCCAGAGAAAAACAGATCTGCAGTCT
GTGAGGCAATGGCAGGCAAGCTGCTGCACAGATCTTTGGTCTCCAGATGGGGACTGTGCTCACTACGAG
TGAATCACACAGCAATGGCACTGTGACTGTGAGGACACATGCCACTGGGAGCAGAACAATGTGTCTGAT
GTGCTCTGCATTGTCTCTCATTTGACTGGTAACCAATCTCTGTCCATAGAAGTGAAGGTTAACC
AATCATTACGACCATATATCCATACATCATACCATCAATTATCATTTTGATCATCATAGGATGCATTTG
TCTTTTAAAAATCAGTGGCTTCAGAAAAATGCAAATGCCCCAAATAGAAAGCTACTTCAGCTATTGAGGAG
GATGAAATGCAGCCTTATGCTAGCTATACAGAGAAGAGCAATCCACTCTATGATACTGTGACTAAGGTGG
AGGCATTTCCAGTATCACAAAGCCGAAGTCAATGGCACAGACTGCCTTACTTTGTCGGCCATTGGAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204778 representing NM_021325
Red=Cloning site Green=Tags(s)

MFCFWRTSALAVLLIWGVFVAGSSCTDKNQTTQNNSSSPLTQVNTTVSVQIGTKALLCCFSIPLTKAVLI
 TWIIKLRGLPSCIAYKVDTKNETSCLGRNITWASTPDHSPQLISAVTLQHEGTYTCETVTPEGNFEK
 NYDLQVLVPPEVITYFPEKNRSVCEAMAGKPAAQISWSPDGDVTTSESHSNGTIVRSTCHWEQNNVSD
 VSCIVSHLTGNQSLSELSRGGNQSLRPYIPIYIIPSIILIIIGCICLLKISGFRKCKLPKLEATS AIEE
 DEMQPYASYTEKSNPLYDVTVKVEAFPVSQGEVNGTDCLTL SAIGI

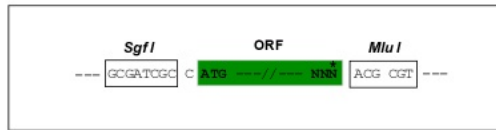
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1824_g07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_021325

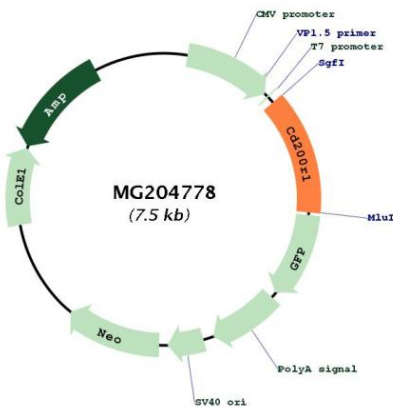
ORF Size: 978 bp

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 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](#)

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:	<ol style="list-style-type: none"> 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:	<u>NM_021325.3</u>
RefSeq Size:	1975 bp
RefSeq ORF:	981 bp
Locus ID:	57781
UniProt ID:	<u>Q9ES57</u>
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]

Product images:



Circular map for MG204778