

Product datasheet for **MG216992**

Cd200r3 (NM_027578) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Cd200r3
Synonyms: 4733401I18Rik; 4833409J19Rik; AI505817; BB106877; mCD200RLb
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216992 representing NM_027578
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCATGCTTTGGGGAGGACTCTGGCTTTGATGTTACTCATCTTACACTATTTTGGTGCCTGAGTCAA
 GTTGTTTCAGTAAAAGGACGGGAGGAGATCCACCGGATGATTCATTTTCTTTTTCAGATGATAATATCTT
 CCCTGATGGAGTGGCGTCACCATGGAGATTGAGATTACTCCAGTGTCTGTACAGATAGGTATCAAG
 GCTCAGCTTTTCTGTATCCTAGTCCATCAAAGAAGCAACACTTAGAATATGGGAAATAACTCCCAGAG
 ACTGGCCTTCTGCAGACTACCCTACAGAGCAGAGTTGCAGCAGATCAGTAAAAAATCTGTACTGAGAG
 AGGAACCACTAGGGTCCCTGCACATCACCAGAGTTCTGACCTTCCCATCAAATCAATGGCCCTCAAGCAT
 GATGGGCATTACTCATGTCGGATAGAAACAACAGATGGGATTTTCCAAGAGAGACATAGCATCCAAGTGC
 CAGGTACAACCAGCATCTGCCTTCTTGTGAGCATTCTCTATGTGAAACTGGCTGTAACGTCTCAT
 CGTAGGATTTGCTTTTTTCCAGAAGAGAAATTATTTTCAGGTGGATC

ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216992 representing NM_027578
 Red=Cloning site Green=Tags(s)

MHALGRTLALMLLIFITILVPESSCSVKGREEIPPDDSFPPSDDNIFPDGVGVMEIEIITPVSVQIGIK
 AQLFCHPSPSKEATLRIWEITPRDWPSCRLPYRAELQQISKKICTERGTTTRVPAHHQSSDLPIKSMALKH
 DGHYSCRIEITTDGIFQERHSIQVPGTTSILPSLLSILYVKLAVTVLIVGFAFFQKRNYFRWI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_027578

ORF Size: 606 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027578.1](#), [NP_081854.1](#)

RefSeq Size: 1279 bp

RefSeq ORF: 609 bp

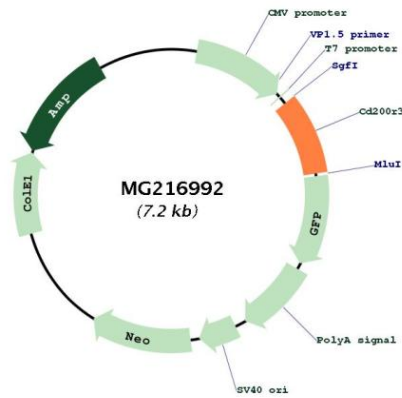
Locus ID: 74603

UniProt ID: [Q5UKY4](#)

Cytogenetics: 16 B4- B5

Gene Summary: According to PubMed:15187158 isoform 4 is a receptor for the CD200 cell surface glycoprotein. According to PubMed:16081818 isoform 4 is not a receptor for the CD200/OX2 cell surface glycoprotein. Isoform 1, isoform 2 and isoform 3 are involved in the recruitment or surface expression of the TYROBP receptor. Isoform 6, isoform 7 and isoform 8 are not involved in the recruitment or surface expression of the TYROBP receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216992