

Product datasheet for MR218430

Cd200r3 (NM_001128132) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd200r3 (NM_001128132) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd200r3
Synonyms:	4733401118Rik; 4833409J19Rik; AI505817; BB106877; mCD200RLb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR218430 representing NM_001128132 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATGCTTTGGGGAGGACTCTGGCTTTGATGTTACTCATCTTCATCACTATTTTGGTGCCTGAGTCAA
GTTGTTTCAGTAAAGGACGGGAGGAGATCCCACCGGATGATTCATTTCTTTTTCAGATGATAATATCTT
CCCTGATGGAGTGGGCGTCACCATGGAGATTGAGATTACTCCAGTGTCTGTACAGATAGGTATCAAG
GCTCAGCTTTTCTGTCATCCTAGTCCATCAAAGAAGCAACACTTAGAATATGGGAAATAACTCCCAGAG
ACTGGCCTTCTGCAGACTACCTACAGAGCAGAGTTGCAGCAGATCAGTAAAAAATCTGTACTGAGAG
AGGAACCACTAGGGTCCCTGCACATCACCAGAGTTCTGACCTTCCCATCAAATCAATGGCCCTCAAGCAT
GATGGGCATTACTCATGTCCGATAGAAACAACAGATGGGATTTTCCAAGAGAGACATAGCATCCAAGTGC
CAGGGGAAAATAGAACTGTAGTTTGTGAGGCAATTGCAAGCAAGCCTGCTATGCAGATCTTGTGGACTCC
AGATGAGGACTGTGCTACTAAGAGTAAATCACACAATGACACCATGATTGTCAGGAGCAAGTGCCACAGG
GAGAAAAAATGGCCACAGTGTGTTCTGCTTTATCTCCATTTGACTGATAACTGGATTCTCTCCATGG
AACAGAATCGAGGTACAACCAGCATCTGCCTTCTTCTGCTGAGCATTCTATGTGAAACTGGCTGTAAC
TGTTCTCATCGTAGGATTTGCTTTTTTCCAGAAGAGAAATTTTCAGAGTGCCAGAAGGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218430 representing NM_001128132
Red=Cloning site Green=Tags(s)

MHALGRTLALMLLIFITILVPESSCSVKGREEIPPDDSFPPSDDNIFPDGVGVTMEIEIITPVSVQIGIK
 AQLFCHPSPSKEATLRIWEITPRDWPSCRLPYRAELQQISKKICTERGTTTRVPAHHQSSDLPIKSMALKH
 DGHYSCRIETTDGIFQERHSIQVPGENRTVVCEAIASKPAMQILWTPDEDCVTKSKSHNDTMIVRSKCHR
 EKNNGHSVFCFISHLTDNWILSMEQNRGTTSSILPSSLISILYVVKLAVTVLIVGFAFFQKRNRYFRVPEGS

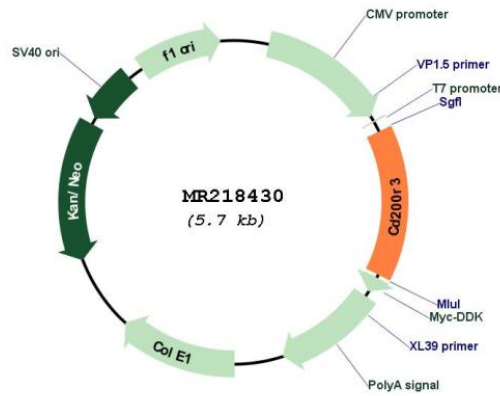
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001128132
ORF Size: 834 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:	<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:	NM_001128132.1 , NP_001121604.1
RefSeq Size:	1622 bp
RefSeq ORF:	837 bp
Locus ID:	74603
UniProt ID:	Q5UKY4
Cytogenetics:	16 B4- B5
MW:	31.8 kDa
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]