

Product datasheet for MR205519

Ccr12 (NM_017466) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ccr12 (NM_017466) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ccr12 |
| Synonyms: | 1810047I05Rik; Ackr5; CCR11; Cmkbr112; E01; L-CCR |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR205519 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAACTACACAGTGGCCCCGGACGATGAATATGATGTCCTAATCTTAGACGACTACCTGGACAACA
GTGGGCCGGACCAAGTCCGGCCCCGAGTTCCTCTCCCCCAGCAGGTGCTGCAGTTCTGCTGCGCGGT
GTTTGGGTGGGTCTCTGGACAACGTGCTGGCGGTGTTTATCTTGGTAAAATACAAAGGACTCAAGAAT
CTGGGGAACATCTACTTCTAAACCTGGCACTTCAAACCTGTGTTTCTGCTTCCCTGCCGTTCTGGG
CCCATACTGCAGCACACGGGAAAGCCCTGGCAACGGGACCTGTAAGTCTTGTGCGACTCCACTCCTC
GGGCTTATACAGCGAGGTGTTTTCCAACATCCTCCTTGTGCAAGGATACAGGGTGTTCCTCCAAAGGG
CGACTGGCCTCCATCTTACGACAGTGTCTTGTGGTATTGTTGCGTGCATCCTGGCATGGCCATGGCTA
CTGCGCTCTTTGCCGAGTCTGTGTTTTATGAGCCTCGGATGGAAAGACAGAAACACAAGTGTGCCTT
TGGCAAACCTCACTTCTTGCCAATCGAAGCGCCGCTCTGGAAAGTACGTTCTGACGTCAAAAATGATCATC
TTGGTACTTGCTTTCTCTGCTGGTTTTATAATCTGCTGCAGGCAACTGAGGAGAAGGCAGAGCTTCA
GGGAGAGACAGTACGACCTCCACAAGCCGGCTCTGTGATAACGGGCGTGTCTTTTATGTGGGCGCC
TTACAACACTGTGCTTTTCTGTCTGCTTCCAGGAACACTGTCCCTGCAGGATGAGAAGAGCAGCTAC
CACCTGGACGCAAGTGTTCAGGTCACAGCTGGTAGCGACCACCCACTGCTGCTCAACCCGCTGCTCT
ATTTGCTTCTTGACCGGAAGGCCTTTATGAGATACCTTCGAGCCTGTTCCACGGTGAATGATATCCC
CTATCAAAGTAGTGGAGGCTATCAGCAAGCGCCTCCAAGGGAAGTGCATGGCAGGCCATTGAACTGTAC
AGCAATTTGCATCAAAGGCAGGATATAATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205519 protein sequence
Red=Cloning site Green=Tags(s)

MDNYTVAPDDEYDVLILDDYLDNSGPDQVPAPEFLSPQQVLQFCCAFAVGLLDNVLAVFILVKYKGLKN
 LGNIYFLNLALSNLCFLPLPFWAHTAAHGESPNGTCKVLVGLHSSGLYSEVFSNILLVQGYRVFSQG
 RLASIFTTVSCGIVACILAWAMATALSLPESVFEPRMERQKHKCAFQKPHFLPIEAPLWKYVLTSMKII
 LVLAFPLLVFIIICCRQLRRRQSFRRERQYDLHKPALVITGVFLLMWAPYNTVLFSAFQEHLSLQDEKSSY
 HLDASVQVTQLVATTHCCVNPLLYLLLDRKAFMRYLRSFLPRCNDIPYQSSGGYQQAPPREGHGRPIELY
 SNLHQRQDII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_017466

ORF Size: 1083 bp

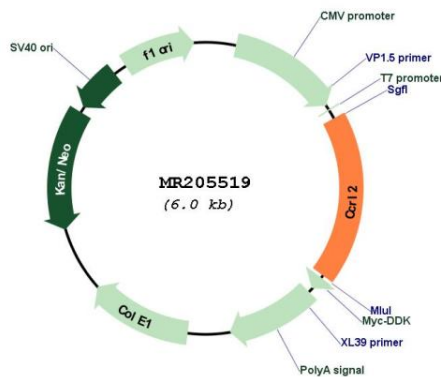
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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.

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| 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_017466.1</u> , <u>NM_017466.2</u> , <u>NM_017466.3</u> , <u>NM_017466.4</u> , <u>NM_017466.5</u> , <u>NP_059494.2</u> |
| RefSeq Size: | 2110 bp |
| RefSeq ORF: | 1083 bp |
| Locus ID: | 54199 |
| UniProt ID: | <u>O35457</u> |
| Cytogenetics: | 9 60.92 cM |
| MW: | 40.7 kDa |
| Gene Summary: | Receptor for CCL19 and chemerin/RARRES2. Does not appear to be a signaling receptor, but may have a role in modulating chemokine-triggered immune responses by capturing and internalizing CCL19 or by presenting RARRES2 ligand to CMKLR1, a functional signaling receptor. Plays a critical role for the development of Th2 responses (By similarity). [UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR205519