

## Product datasheet for MR205412

### Ccr1 (NM\_009912) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr1 (NM_009912) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccr1
Synonyms:	Cmkbr1; Mip-1a-R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205412 representing NM_009912 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGATTTTCAGATTTTCACAGAAGCCTACCCACAACACAGAATTTGACTATGGGGACTCCACTCCAT  
GCCAAAAGACTGCTGTAAGAGCCTTTGGGGCTGGACTCCTGCCCCCTGTATTCTCTAGTGTTCATCAT  
TGGAGTGGTGGGCAATGCTCTAGTGATTCTGGTGTCTATGCAGCATAGGAGGCTTCAAAGCATGACCAGC  
ATCTACCTGTTCAACCTGGCTGTCTCTGATCTGGTCTTCTTTTCACTTTACCTTTCTGGATTGACTACA  
AGTTGAAAGACGACTGGATTTTTGGTGATGCCATGTGCAAGCTTCTCTCTGGGTTTTATTACCTGGGTTT  
ATACAGTGAGATCTTCTTATCATCCTGTTGACGATTGACAGATACCTGGCCATTGTCCATGCTGTGTTT  
GCCCTGAGGGCCCGAACTGTTACTTTTTGGCATCATCACCAGTATTATCACCTGGGCCCTAGCCATCTTAG  
CTTCCATGCCTGCCTTATACTTTTTAAGGCCAGTGGGAGTTCACTCACCGTACCTGTAGCCCTCATT  
CCCCTACAAGAGCCTGAAGCAGTGAAGAGGTTTCAAGCTCTAAAGCTAAACCTTCTTGGACTAATTTTG  
CCTCTGTTAGTCATGATAATCTGCTATGCAGGGATCATCAGAATTCTGCTCAGAAGACCCAGTGAGAAGA  
AGGTCAAAGCCGTGCGTCTGATATTTGCTATTACTCTTCTATTCTTCTCCTCTGGACCCCTACAATCT  
GAGTGTATTTGTTCTGCTTTCCAAGATGTTCTATTACCAATCAGTGTGAGCAGAGTAAGCAACTGGAC  
CTGGCCATGCAGGTGACTGAGGTGATTGCCTACCCCACTGTTGTGTCACCCCAATCATTTATGTTTTTG  
TGGGTGAACGGTTCTGGAAGTACCTTCGGCAGCTGTTTCAAAGGCATGTGGCTATACCACTGGCAAATG  
GCTGCCCTTCTCTCTGTGGACCAACTAGAAAGGACCAGTTCTATATCTCCATCCACAGGAGAACATGAG  
CTCTCTGCTGGCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205412 representing NM\_009912  
 Red=Cloning site Green=Tags(s)

MEISDFTEAYPTTTEFDYGDSTPCQKTAVRAFGAGLLPPLYSLVFIIGVGNVLVILVLMQHRRLQSMTS  
 IYLFNLAVSDLVFLFTLPFWIDYKLKDDWIFGDAMCKLLSGFYLLGLYSEIFFIILLTIDRYLAIHVAVF  
 ALRARTVTFGIITSIIITWALAILASMPALYFFKAQWEFTHRTCSPHFPYKSLKQWKRFFQALKLNLGLIL  
 PLLVMIICYAGIIRILLRRPSEKKVKAVRLIFAITLLFLLWTPYNLSVFVSAFQDVLFTNQCEQSKQLD  
 LAMQVTEVIAYTHCCVNP I IYV F VGERFWKYLRQLFQRHVAIPLAKWLPFLSVDQLERTSSISPSTGEHE  
 LSAGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_009912

**ORF Size:** 1065 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\\_009912.4](#)

**RefSeq Size:** 2708 bp

**RefSeq ORF:** 1068 bp

**Locus ID:** 12768

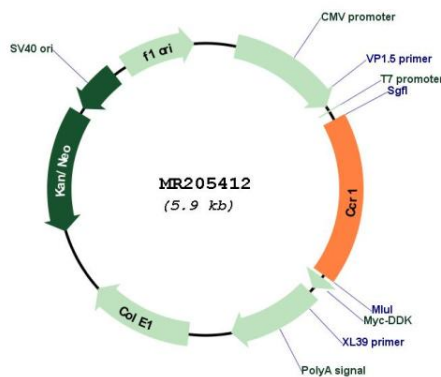
**UniProt ID:** [P51675](#)

**Cytogenetics:** 9 75.05 cM

**MW:** 41.3 kDa

**Gene Summary:** Receptor for a C-C type chemokine. Binds to MIP-1-alpha, RANTES, and less efficiently, to MIP-1-beta or MCP-1 and subsequently transduces a signal by increasing the intracellular calcium ions level. Responsible for affecting stem cell proliferation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR205412