

Product datasheet for MR229481

Ccr12 (NM_001302376) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr12 (NM_001302376) 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:	>MR229481 representing NM_001302376 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAACTACACAGTGGCCCCGGACGATGAATATGATGTCCTAATCTTAGACGACTACCTGGACAACA
GTGGGCCGGACCAAGTCCGGCCCCGAGTTCCTCTCCCCCAGCAGGTGCTGCAGTTCTGCTGCGCGGT
GTTTGGGTGGGTCTCTGGACAACGTGCTGGCGGTGTTATCTTGGTAAAATACAAAGGACTCAAGAAT
CTGGGGAACATCTACTTCTAAACCTGGCACTTCAAACCTGTGTTTCTGCTTCCCTGCCGTTCTGGG
CCCATACTGCAGCACACGGGAAAGCCCTGGCAACGGGACCTGTAAGTCTTGTGCGACTCCACTCCTC
GGGCTTATACAGCGAGGTGTTTTCCAACATCCTCCTTGTGCAAGGATACAGGGTGTTCCTCCAAAGGG
CGACTGGCCTCCATCTTACGACAGTGTCTTGTGGTATTGTTGCGTGCATCCTGGCATGGCCATGGCTA
CTGCGCTCTTTGCCGAGTCTGTGTTTTATGAGCCTCGGATGGAAAGACAGAAACACAAGTGTGCCTT
TGGCAAACCTCACTTCTTGCCAATCGAAGCGCCGCTCTGGAAAGTACGTTCTGACGTCAAAAATGATCATC
TTGGTACTTGCTTTCTCTGCTGGTTTTATAATCTGCTGCAGGCAACTGAGGAGAAGGCAGAGCTTCA
GGGAGAGACAGTACGACCTCCACAAGCCGGCTCTGTGATAACGGGCGTGTCTTTTGTGTGGGCGCC
TTACAACACTGTGCTTTTCTGTCTGCTTCCAGGAACACTGTCCCTGCAGGATGAGAAGAGCAGCTAC
CACCTGGACGCAAGTGTTCAGGTACACAGCTGGTAGCGACCACCACTGCTGCTCAACCCGCTGCTCT
ATTTGCTTCTTGACCGAAGGCCTTTATGAGATACCTTCGACGCTGTTCCACGCTGCAATGATATCCC
CTATCAAAGTAGTGGAGGCTATCAGCAAGCGCCTCCAAGGGAAGTGCATGGCAGGCCATTGAACTGTAC
AGCAATTTGCATCAAAGGCAGGATATAATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229481 representing NM_001302376
Red=Cloning site Green=Tags(s)

MDNYTVAPDDEYDVLILDDYLDNSGPDQVPAPFELSPQQVLQFCCAFAVGLLDNVLAVFILVKYKGLKN
 LGNIYFLNLALSNLCFLPLPFWAHTAAHGESPNGTCKVLVGLHSSGLYSEVFSNILLVQGYRVFSQG
 RLASIFTTVSCGIVACILAWAMATALSLPESVFEPRMERQKHKCAFQKPHFLPIEAPLWKYVLTSMKII
 LVLAFPLLVFIIICCRQLRRRQSFRRERQYDLHKPALVITGVFLLMWAPYNTVLFSAFQEHLSLQDEKSSY
 HLDASVQVTQLVATTHCCVNPPLL YLLLDRKAFMRYLRSLFPRCNDIPYQSSGGYQQAPPREGHGRPIELY
 SNLHQRQDII

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001302376

ORF Size: 1080 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_001302376.1](#), [NP_001289305.1](#)

RefSeq Size: 1871 bp

RefSeq ORF: 1083 bp

Locus ID: 54199

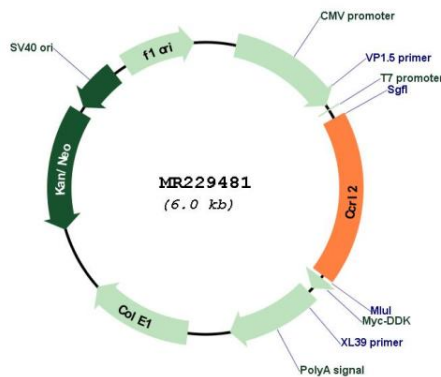
UniProt ID: [O35457](#)

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 MR229481