

Product datasheet for **MG205519**

Ccr12 (NM_017466) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr12 (NM_017466) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccr12
Synonyms:	1810047I05Rik; Ackr5; CCR11; Cmkbr112; E01; L-CCR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205519 representing NM_017466 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAACTACACAGTGGCCCCGGACGATGAATATGATGTCCTAATCTTAGACGACTACCTGGACAACA
GTGGGCCGGACCAAGTCCGGCCCCGAGTTCCTCTCCCCCAGCAGGTGCTGCAGTTCTGCTGCGCGGT
GTTTGGGTGGGTCTCTGGACAACGTGCTGGCGGTGTTATCTTGGTAAAATACAAAGGACTCAAGAAT
CTGGGGAACATCTACTTCTAAACCTGGCACTTCAAACCTGTGTTTCTGCTTCCCTGCCGTTCTGGG
CCCATACTGCAGCACACGGGAAAGCCCTGGCAACGGGACCTGTAAGTTCTTGTGCGACTCCACTCCTC
GGGCTTATACAGCGAGGTGTTTTCCAACATCCTCCTTGTGCAAGGATACAGGGTGTTCCTCCAAAGGG
CGACTGGCCTCCATCTTACGACAGTGTCTTGTGGTATTGTTGCGTGCATCCTGGCATGGCCATGGCTA
CTGCGCTCTTTGCCCCGAGTCTGTGTTTTATGAGCCTCGGATGGAAAGACAGAAACACAAGTGTGCCTT
TGGCAAACCTCACTTCTTGCCAATCGAAGCGCCGCTCTGGAAAGTACGTTCTGACGTCAAAAATGATCATC
TTGGTACTTGCTTTTCTCTGCTGGTTTTATAATCTGCTGCAGGCAACTGAGGAGAAGGCAGAGCTTCA
GGGAGAGACAGTACGACCTCCACAAGCCGGCTCTGTGATAACGGGCGTGTCTTTTGTGTGGGCGCC
TTACAACACTGTGCTTTTCTGTCTGCTTCCAGGAACACTTGTCCCTGCAGGATGAGAAGAGCAGCTAC
CACCTGGACGCAAGTGTTCAGGTACACAGCTGGTAGCGACCACCACTGCTGCTCAACCCGCTGCTCT
ATTTGCTTCTTGACCGGAAGGCCTTTATGAGATACCTTCGAGCCTGTTCCACGGTGAATGATATCCC
CTATCAAAGTAGTGGAGGCTATCAGCAAGCGCCTCCAAGGGAAGTGCATGGCAGGCCATTGAACTGTAC
AGCAATTTGCATCAAAGGCAGGATATAATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205519 representing NM_017466
Red=Cloning site Green=Tags(s)

MDNYTVAPDDEYDVLILDDYLDNSGPDQVPAPPEFLSPQQVLQFCCAFAVGLLDNVLAVFILVKYKGLKN
 LGNIYFLNLALS^{SNL}CFL^{LP}PFWAHTAAHGESPNGTCKVLVGLHSSGLYSEVFSNILLVQGYRVFSQG
 RLASIFTTVSCGIVACILAWAMAT^{AL}SLPESV^FYEP^{MR}ERQKHKCAF^{GK}PHFLPIEAPLWKYVLT^{SK}MII
 LVLAFPLL^{VFI}ICCRQLRRRQ^{SF}RERQYDLHKPALVITGVFLLMWAPYNTVLF^{LS}SAFQEHL^{SL}QDEKSSY
 HLDASVQVTQLVATTHCCV^{NPLL}YLLLDRKAF^{MR}YL^{RSL}FPRCNDIPYQSSGGYQQAPPREGHGRPIELY
 SNLHQRQDII

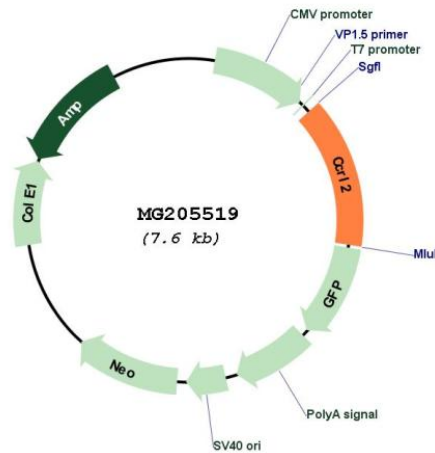
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017466

ORF Size:	1080 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_017466.3 , NP_059494.2
RefSeq Size:	2111 bp
RefSeq ORF:	1083 bp
Locus ID:	54199
UniProt ID:	O35457
Cytogenetics:	9 60.92 cM
Gene Summary:	<p>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]</p>