

## Product datasheet for **RR208635**

### Ccr5 (NM\_053960) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr5 (NM_053960) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccr5
Synonyms:	Ckr5; Cmkbr5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR208635 representing NM_053960 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATTTTCAAGGGTCGATTCCAACCTATATCTATGACATCGATTATAGTATGTCAGCACCCCTGCCAAA  
AATTCAATGTGAAACAAATTGCAGCCCAGCTCCTGCCCCACTCTACTCTCTGGTATTCATCTTTGGTTT  
TGTGGGTAACATGATGGTCTTCTCATCTGATAAGCTGCAAAAAGCTGAAGAGCATGACTGATATCTAC  
CTGTTCAACCTGGCCATCTGACCTGCTTCTCTGCTCACACTCCCATTCTGGGCTCACTATGCTGCAA  
ATGAGTGGGTCTTTGGGAATATAATGTGCAAATTATTCACAGGGATCTATCACATTGGTTATTTTGGTGG  
AATCTTCTCATTATCCTCCTGACAATTGATAGGTAAGTGGCTATTGTCCATGCTGTGTTTGTCTATAAAA  
GCCAGAACAGTCAACTTTGGGGTAATAACAAGTGTAGTCACTTGGGTGGTGGCTGTGTTTGTCTCTCTCC  
CAGAAATAATCTTTATGAGATCTCAAAAAGAAGTTTCTCATTATACATGCAGTCCTCATTTCACCGTAT  
TCAATATCGTTTTCTGGAAGCATTTCAAACATTAAGATGGTCATCTTGAGCCTGATCCTACCCCTACTT  
GTCATGGTCATCTGCTATTCAGGAATCCTCAACACCCTGTTTCGCTGTAGGAATGAGAAGAAGAGGCACA  
GGGCTGTAAGGCTCATCTTTGCCATCATGATTGTCTACTTTCTCTCTGGACTCCCTACAACATTGTCT  
CCTCCTGACCACCTTCCAGGAATACTTTGGACTGAATAATTGCAGTAGTTCTAATAGACTAGACCAGGCA  
ATGCAGGTGACAGAGACTCTTGGGATGACACACTGCTGCCTCAACCTGTCATATGCCTTTGTGGGG  
AGAAGTTCCGGAATTATCTCTCTGTGTTCTTCCGAAAACACATTGTCAAACGCTTCTGCAAACACTGTTC  
AATTTTCCAGCAAGTCAATCCTGATCGTGAAGTCAAGTCTATACCCGGTCCACAGGAGAACAGGAAGTT  
TCTACTGGTTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208635 representing NM\_053960  
 Red=Cloning site Green=Tags(s)

MDFQGSIPTYYIDIDYSMSAPCQKFNVKQIAAQLLPPLYSLVFIKGFVGNMMVFLILISCKKLKSMTDIY  
 LFNLAISDLLFLLTLPFWAHYAANEWVFGNIMCKLFTGIYHIGYFGGIFFIILLTIDRYLAIVHAVFAIK  
 ARTVNFVGVITSVVTWVVAVFVSLPEIIFMRSQKEGSHYTCSPHFPRIQYRFWKHFQTLKMLVLSLILPLL  
 VMVICYSGILNLTFRCRNEKKRHRVRLIFAIMIVYFLFWTPYNIIVLLLTTFQEYFGLNCCSSNRDLQA  
 MQVTETLGMTHCCLNPVIYAFVGEKFRNYLSVFFRKHIVKRFCKHCSIFQQVNPDRVSSVYTRSTGEQEV  
 STGL

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\_053960

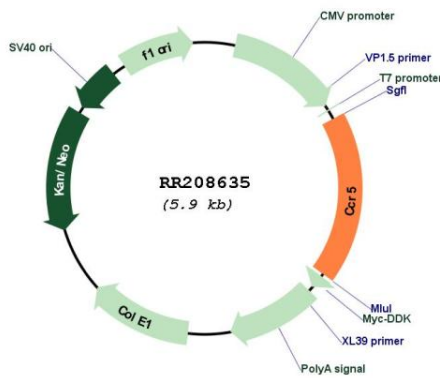
**ORF Size:** 1062 bp

**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](mailto: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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_053960.3, NP_446412.2</u>
<b>RefSeq Size:</b>	2495 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	117029
<b>UniProt ID:</b>	<u>O08556</u>
<b>Cytogenetics:</b>	8q32
<b>MW:</b>	41.1 kDa
<b>Gene Summary:</b>	G protein-coupled receptor; involved in regulation of leukocyte activation and migration [RGD, Feb 2006]

**Product images:**


Circular map for RR208635