

Product datasheet for **SC116904**

CCR8 (NM_005201) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR8 (NM_005201) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR8
Synonyms:	CC-CKR-8; CCR-8; CDw198; CKRL1; CMKBR8; CMKBRL2; CY6; GPRCY6; TER1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005201, RT-PCR generated
 ATGGATTACACTTGACCTCAGTGTGACAACAGTGACCGACTACTACCCTGATATC
 TTCTCAAGCCCCTGTGATGCGGAACTTATTCAGACAAATGGCAAGTTGCTCCTTGCTGTC
 TTTTATTGCCTCCTGTTTGTATTCAAGTCTTCTGGGAAACAGCCTGGTCATCCTGGTCCTT
 GTGGTCTGCAAGAAGCTGAGGAGCATCACAGATGTATACCTCTTGAACCTGGCCCTGTCT
 GACCTGCTTTTTGTCTTCTCCTTCCCCTTTCAGACCTACTATCTGCTGGACCAGTGGGTG
 TTTGGGACTGTAATGTGCAAAGTGGTGTCTGGCTTTTATTACATTGGCTTCTACAGCAGC
 ATGTTTTTTCATCACCCCTCATGAGTGTGGACAGGTACCTGGCTGTTGTCCATGCCGTGAT
 GCCCTAAAGGTGAGGACGATCAGGATGGGCACAACGCTGTGCCTGGCAGTATGGCTAACC
 GCCATTATGGCTACCATCCCATTGCTAGTGTTTTACCAAGTGGCCTCTGAAGATGGTGT
 CTACAGTGTATTTCATTTTACAATCAACAGACTTTGAAGTGAAGATCTTACCAACTTC
 AAAATGAACATTTTAGGCTTGTGATCCCATTACCATCTTTATGTTCTGCTACATTA
 ATCCTGCACCAGCTGAAGAGGTGCAAAACCAACAAGACCAAGGCCATCAGGTTGGTG
 CTCATTGTGGTCATTGCATCTTTACTTTTCTGGGTCCCATTCAACGTGGTTCTTTTCCTC
 ACTTCCTTGACAGTATGCACATCTTGGATGGATGTAGCATAAGCCAACAGCTGACTTAT
 GCCACCATGTACAGAAATCATTTCCTTTACTCACTGCTGTGTGAACCTGTTATCTAT
 GCTTTTGTGGGGAGAAGTTCAAGAAACACCTCTCAGAAATATTCAGAAAAGTTGCAGC
 CAAATCTTCAACTACCTAGGAAGACAAATGCCTAGGGAGAGCTGTGAAAAGTCATCATCC
 TGCCAGCAGCACTCCTCCCGTTCCTCCAGCGTAGACTACATTTTGTGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005201 unedited
 CTTCCCTCGTTTTGTTCCAGACTAGGGGANGGCGGCACACCCTGTGATGTGAATCTGCA
 GAATTCGGCTTATGGATTATACACTTGACCTCAGTGTGACAACAGTGACCGACTACTACT
 ACCCTGATATCTTCTCAAGCCCCGTGATGCGGAACTTATTAGACAAATGGCAAGTTGC
 TCCTTGCTGTCTTTTATTGCCTCCTGTTGTATTAGTCTTCTGGGAAACAGCCTGGTCA
 TCCTGGTCCTTGTGGTCTGCAAGAAGCTGAGGAGCATCACAGATGATACCTCTTGAACC
 TGGCCCTGTCTGACCTGCTTTTTGTCTTCTCCTTCCCCTTTCAGACCTACTATCTGCTGG
 ACCAGTGGGTGTTTGGGACTGTAATGTGCAAAGTGGTGTCTGGCTTTTATTACATTGGCT
 TCTACAGCAGCATGTTTTTCATCACCTCATGAGTGTGGACAGGTACCTGGCTGTTGTCC
 ATGCCGTGATGCCCTAAAGGTGAGGACGATCAGGATGGGCACAACGCTGTGCCTGGCAG
 TATGGCTAACCGCATTATGGCTACCATCCCATTGCTAGTGTTTTACCAAGTGGCCTCTG
 AAGATGGTGTCTACAGTGTATTCAATTTACAATCAACAGACTTGAAGTGAAGATCT
 TCACCAACTTCAAATGAACATTTTAGGCTTGTGATCCCATTACCATCTTTATGTTCT
 GCTACATTAATACTGCACCAGCTGAAGAGGTGTCAAACCACAACAAGACCCAAGCCA
 TCAGGTTGNGTGCTACATGTGGTCATTGCATNCTTACTTTTCTGGGTCCCATTCAACGTG
 GTTCTTTTCTCACTTCTTGCACAGTATGCACATCTTTGGATGGATGTAGCATAAGCAAC
 AGCTGACTTATGCCCCATGTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005201 unedited
 NNNNAAAATAACTGTGNACCGCGGCCGCTTCTAGNGATCGAAANCTTGATATCGGTAC
 CGAGCTCGGNATCCCTAGTAACGGCCGCCAGTGTGCTGGAATTCGGCTTAGTCTTCATTG
 ATCCTCACAAAATGTAGTCTACGCTGGAGAACGGGAGGAGTGTGCTGGCAGGATGATG
 ACTTTTACAGCTCTCCCTAGGCATTTGTCTTCTAGGTAGTTGAAGATTTGGCTGCAAC
 TTTTCTGAAATATTTCTGAGAGGTGTTTCTTGAACCTTCTCCCAACAAAAGCATAGATAA
 CAGGGTTCACACAGCAGTGAAGTAAAGGAAATGATTTCTGTGACATGGGTGGCATAAGTCA
 GCTGTTGGCTTATGCTACATCCATCCAAGATGTGCATACTGTGCAAGGAAGTGAAGAAAA
 GAACCAGTGAATGGGACCCAGAAAAGTAAAGATGCAATGACCACAATGAGCACCAACC
 TGATGGCCTTGGTCTTGTGTGGTTTTGACACCTTTCAGCTGGTGCAGGATTTAATGT
 AGCAGAACATAAAGATGGTGAATGGGATCAACAAGCCTAAAATGTTTCAATTTGAAGTTGG
 TGAAGATCTTCCACTTCAAAGTCTGTTGATTGTAATAAATAAACAAGTGTAGAACCACAT
 CTTCAGAGGCCACTTGGTAAAACACTAGCAATGGGATGGTAGCCATAATGGCGGTTAGCC
 ATACTGCCAGGCACAGCGTTGTGCCATCCTGATCGTCCCTCACCTTTAGGGCATAACCGG
 CATGGACAACAGCCAGGTACCTGTCCACAACACTCATGAAGGTGATGAAAAACATGCCGCTG
 GTAAAACCCAGGTATAAAGACCCAGACACCCTTTGCCCTTTACAGTTCCCAAAACCCA
 CTGG

Restriction Sites:

Please inquire

ACCN:

NM_005201

Insert Size:

1300 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](#)

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_005201.2](#), [NP_005192.1](#)

RefSeq Size: 2370 bp

RefSeq ORF: 1068 bp

Locus ID: 1237

UniProt ID: [P51685](#)

Cytogenetics: 3p22.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary: This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. Chemokines and their receptors are important for the migration of various cell types into the inflammatory sites. This receptor protein preferentially expresses in the thymus. I-309, thymus activation-regulated cytokine (TARC) and macrophage inflammatory protein-1 beta (MIP-1 beta) have been identified as ligands of this receptor. Studies of this receptor and its ligands suggested its role in regulation of monocyte chemotaxis and thymic cell apoptosis. More specifically, this receptor may contribute to the proper positioning of activated T cells within the antigenic challenge sites and specialized areas of lymphoid tissues. This gene is located at the chemokine receptor gene cluster region. [provided by RefSeq, Jul 2008]