

Product datasheet for **SC109083**

CCR6 (NM_004367) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR6 (NM_004367) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR6
Synonyms:	BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29; GPRCY4; STRL22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109083 sequence for NM_004367 edited (data generated by NextGen Sequencing)

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ATGAGCGGGGAATCAATGAATTCAGCGATGTTTTCGACTCCAGTGAAGATTATTTGTG
TCAGTCAATACTTCATATTACTCAGTTGATTCTGAGATGTTACTGTGCTCCTTGCAGGAG
GTCAGGCAGTTCTCCAGGCTATTTGTACCGATTGCCTACTCCTTGATCTGTGTCTTTGGC
CTCCTGGGGAATATTCTGGTGGTGATCACCTTTGCTTTTTATAAGAAGGCCAGGTCTATG
ACAGACGTCTATCTTTGAACATGGCCATTGCAGACATCCTCTTTGTTCTTACTCTCCCA
TTCTGGGCAGTGAGTCATGCCACCGGTGCGTGGGTTTTTCAGCAATGCCACGTGCAAGTTG
CTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTGCTCCTGACTTGCATTAGC
ATGGACCGGTACATCGCCATTGTACAGGCGACTAAGTCATTCCGGCTCCGATCCAGAACA
CTACCGCGCAGCAAAATCATCTGCCTTGTGTGTGGGGGCTGTCAGTCATCATCTCCAGC
TCAACTTTTGTCTTCAACCAAAAATAACAACCCAAGGCAGCGATGTCTGTGAACCCAAG
TACCAGACTGTCTCGGAGCCCATCAGGTGGAAGCTGCTGATGTTGGGGCTTGAGCTACTC
TTTGGTTTCTTTATCCCTTTGATGTTTCATGATATTTGTTACACGTTTCATTGTCAAACC
TTGGTGCAAGCTCAGAATTCTAAAAGGCACAAAGCCATCCGTGTAATCATAGCTGTGGTG
CTTGTTGTTTCTGGCTTGTGAGATTCTCATAACATGGTCTGCTTGTGACGGCTGCAAAAT
TTGGGTAATAATGAACCGATCCTGCCAGAGCGAAAAGCTAATTGGCTATACGAAAAGTGC
ACAGAAGTCCCTGGCTTTCCTGCACTGCTGCCTGAACCTGTGCTACGCTTTTATTGGG
CAGAAGTTCAGAACTACTTTCTGAAGATCTTGAAGGACCTGTGGTGTGTGAGAAGGAAG
TACAAGTCTCAGGCTTCTCCTGTGCCGGGAGGTACTCAGAAAACATTTCTCGGCAGACC
AGTGAGACCGCAGATAACGACAATGCGTCTGCTTCACTATGTGA
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Clone variation with respect to NM_004367.5



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004367 unedited
 CGAGGTTTGTAACGACTTCTGATAGGCGGCCGACGATTCGGCACGAGGAGCAGTGTGGC
 CGGAGAGGAGAGCTGGGCTGGGAGCACAGGAAGGTCCCCAGGACTCTGTGGTCATCAGTA
 AGAGAGGGCCACGTGTATATGCTGGTGAACAGAAATGTCAACCTTTTCAAAGCTGACA
 TTTAAGAGAAAAAAGTGTGGCTGTTGGTTGTTTAAACAGACAGCTCCTTCTTTATTGAGT
 CACCTCTACTTTCTGCTACCGCTGCCTGTGAGCTGAAGGGGCTGAACCATACACTCCTT
 TTTCTACAACCAGCTTGCAATTTTTCTGCCACAATGAGCGGGGAATCAATGAATTCAG
 CGATGTTTTCGACTCCAGTGAAGATTATTTTGTGTCAGTCAATACTTCATATTACTCAGT
 TGATTCTGAGATGTTACTGTGCTCCTTGCAAGAGGTCAGGCAGTTCTCCAGGCTATTTGT
 ACCGATTGCCTACTCCTTGATCTGTGCTTTGGCCTCCTGGGGAATATTCTGGTGGTGAT
 CACCTTTGCTTTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGAACATGGC
 CATTGCAGACATCCTCTTTGTTCTTACTCTCCATTCTGGGCAGTGAGTCATGCCACCGG
 TGCGTGGGTTTTATGCATGCCACGTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTT
 TAACTGGCGGATGCTGCTCCTGACTTGCAATAGCATGGACCGGTACATGCCATTGTACA
 GCGGACTAAGTCATTCGCGCTCCGATCCAGNACACTACCGCGCAGCAAATCATCTGCC
 TTAGTGTGTGGGGCTGTGAGTCATCATCTCCAGCTCAACTTTTGTCTTCAACCATAATA
 CCAACAACCCAGGCAGCGATGTCTGGGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004367 unedited
 CCGCGGCCGCATCTANATCGAGTTTTTTTTTTTTTTTTTTTTTACATGTACAAAACACATTTT
 TTATTTTGCAAAGCCAAAGCCATGCTTTAAAAATACAGACTTTGAATCTTAAGACATTAT
 TTTGCATTTTAAAGAGAGATATAGTTAAAGCTTACAAGAACAATAAAAGTTTCAAATAA
 CACCATTGTCAGGTTTAAACATGTCGGTATGTTTACATGACAGTTCTTTCCTTTTTTTTT
 TTTTTTTTTTTTTTGGAGAGGAGTCTCGCTTTGTCAACCAGGCTGGAGTGCAATGGCAGC
 ATCTCGGGTCACTGCAACCTCTGCCTCCTGGGTCAAGCGATTTTTTGCCTCACCTCC
 CAAGTAGCTGGGATTACAGGCCCCCGCCACCACGCCTGGGAAATTTTTGTATTTTAGTA
 AAGAGGGGTTTTCCCTGTTGGCCAGGCTGGTCTCAAACCTCCTGACCCTCAGAGATCCAC
 CCTCCTGACTTCTCTAAAAGCCGGGATACCAGGTGTGCACCTTCTTGACTACACTTGG
 ACAGTCTGGTTAACGACACGTCTGCTTCTTTCCCGCTTCTCCTTCTGCGTCCCTT
 CCACATCTCTTGCTCCTTCTGCTCTGCCCCGCTCGCCCCGTGCTAACCTGATATAAATAT
 ATTTTCTCCCTTCTTCTTCCCTCCCCCATTCCGTCCTTTCCATCCTCCCTCTCTCTC
 TCTTCTCCGCTTTCCCCCCCCCCCACCCTTCCCCCTCCCCCGGATACGTTATTCT
 GCCGCCACTCTCCCCCTCGTCTATGTTTCGTTTCTCCATACCCCTCATTCCCCGTTC
 ATTTCCACACCCANCACTCATATCTCATTTTTTCGTCGTTTCTCCCCGCCACCCGAT
 TTTTTTTCATAGTATTCCCCCTCCCGCCATATCCCATTTCTC

Restriction Sites:

NotI-NotI

ACCN:

NM_004367

Insert Size:

3410 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_004367.3, NP_004358.2</u>
RefSeq Size:	3177 bp
RefSeq ORF:	1125 bp
Locus ID:	1235
UniProt ID:	<u>P51684</u>
Cytogenetics:	6q27
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
Gene Summary:	<p>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. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dendritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 2. Variants 1 and 2 encode the same protein.</p>