

Product datasheet for **SC107635**

CCR6 (NM_031409) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR6 (NM_031409) 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-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031409, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGGGAATCAATGAATTTTCAGCGATGTTTTCGACTCCAGTGAAGATTATTTGTGTCAGTCAATA
CTTCATATACTCAGTTGATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCT
ATTTGTACCGATTGCCTACTCCTTGATCTGTGTCTTTGGCCTCCTGGGAATATTCTGGTGGTGATCACC
TTTGCTTTTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGAACATGGCCATTGCAGACATCC
TCTTTGTCTTACTCTCCATTCTGGGCAGTGAGTCATGCCACCGGTGCGTGGGTTTTTCAGCAATGCCAC
GTGCAAGTTGCTAAAAGGCATCTATGCCATCACTTTAACTGCGGGATGCTGCTCCTGACTTGCATTAGC
ATGGACCGGTACATCGCCATTGTACAGGCGACTAAGTCATTCCGGCTCCGATCCAGAACACTACCGCGCA
GCAAAATCATCTGCCTTGTGTGTGGGGCTGTCAGTCATCATCTCCAGCTCAACTTTTGTCTTCAACCA
AAAATACAACACCCAAGGCAGCGATGTCTGTGAACCAAGTACCAGACTGTCTCGGAGCCCATCAGGTGG
AAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTGATGATATTTGTT
ACACGTTTCATTGTCAAAACCTTGGTGCAAGCTCAGAATTTAAAAGGCACAAAGCCATCCGTGTAATCAT
AGCTGTGGTGCTTGTGTTTCTGGCTTGTGAGATTCCTCATAACATGGTCTCTGTTGTGACGGCTGCAAAAT
TTGGGTAATAAGAACCGATCCTGCCAGAGCGAAAAGCTAATTGGCTATACGAAAAGTGTACAGAAAGTCC
TGGCTTTCCTGCACTGCTGCCTGAACCTGTGCTCTACGCTTTTATTGGGAGAAAGTTGAGAAACTACTT
TCTGAAGATCTTGAAGGACCTGTGGTGTGTGAGAAGGAAGTACAAGTCTCAGGCTTCTCCTGTGCCGGG
AGGTACTCAGAAAACATTTCTCGGCAGACCAGTGAGACCCGAGATAACGACAATGCGTCGTCCTTCACTA
TGTA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031409 unedited</p> <pre> NTTCGNATTTTGTATACGACTCATATAGGGCGGCCGATTTCGGCACCAGCAGTGTGCC GGAGAGGAGAGCTGGGCTGGGAGCACAGGAAGTCCCCAGGACTCTGTGGTCATCAGTAA GAGAGGGCCACGTGTATATGCTGGTGAACAGAAATGTCAACCTTTTCAAAGTCTGACAT TTAAGAGAAAAAACTGTGGCTGTGGTTTGTGGAACAGACAGCTCCTTCTTTATTGAGTC ACCTCTACTTTCTGTACCCGCTGCCTGTGAGCTGAAGGGGCTGAACCATAACTCCTTT TTCTACAACCAGCTTGCATTTTTTCTGCCACAATGAGCGGGGAATCAATGAATTCAGC GATGTTTTTCGACTCCAGTGAAGATTATTTTGTGTGTCAGTCAATACTTCATATTACTCAGTT GATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTCAGGCAGTTCTCCAGGCTATTTGTA CCGATTGCCTACTCCTTGATCTGTCTTTGGCCTCCTGGGGAATATTCTGGTGGTGATC ACCTTTGCTTTTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGACATGGCCA TTGCAGACATCCTCTTTGNTCTTACTCTCCATTCTGGGCAGTGAGTCATGCCACTGGTG CGTGGGGTTTCAGCAATGCCACGTGCCAGTTGCTAAAAGGCATCTATGCCATCAACTTTA ACTGGCGGATGCTGCTCCTGACTTGATTAGCATGGACCGGTACATCGCCATTGTACAGGC GACTAAGTCTTTCCGCTTCGAATCAAACACTACCGCGCAGCAAAATCTCTGCCTTGGTGT GTGGGGGCTGTGAGTCATCATCTCAGCTCACTTTTGNCTTTCACAAAAAACACACCCAA GCAGCGATGTTTGTGAACCCAGTACAGATTGTTTGGAGCCCTCA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031409 unedited</p> <pre> CCGCATCTAGATCGGNNTTTTTTTTTTTTTTTTTTTTTTTTTTACATGTACAAAACACAT TTTTTATTTTGCAAACCCAAAGCCATGCTTTAAAAATACAGACTTTGAATCTTAAAACAT TATTTTGCATTTTAAAGAGAGATATAGTTAAAGCTTACAAAAACAATATAAAGTTTCAA TAACACCATTTGTCAGGTTTAAACATGTCGGTATGTTTACATGACAGNCCTTCCCTTTTTT TTTTTTTTTTTTTTGGAGAGGGAGTCTCGCTTGTACCCAGGCTGGAGGGCAAGGGCA CGATTTCCGGCTCACTGCAACCTTGCCCTCCTGGGTTCAAGCGATTCTTTTGTTCACCCT CCCAAGCACCTGGGATATCAGGCCCCCGCCCCCCCCCTGGCACACCTTGGCTCTTATGC CCACGGGGCGCCTCCTTGTGCGCCCTTCTGTTCCCTACCCCCCTCTTCCCTCCCCC CCCCCTTTTTTTCCTTTTCCCCCTTTTCCCGCTTTTCTTTTTCCTTCCCTCCCCCTTCT CCGCCCTTTTCTTTTTCGCTCCCGTTTCCCGCCGCGCCTTCTTCCGCTGTCTCCCCGC CCTCCCCCTTTTCTTTCCCCCTTCCCCCCCCCTCTTCCCGTTGCCGCTTTTTTTTCC TGCTCCTGCCTTTGCCCCCCCTCCCCGCTCTCGATCCCCCTTGACCGTTTCCGCGCGC CGATCACGCTTCTTCCCCCTTACGATTCCCTCTTCCGCCCCATCGCCTTATCCGT ATCCTTTCCGCTTCTCCTGTTGCGCTCCCTGTGTCCTTCCGCTCTTCTCTGCTCCT TTCCGCCCCGCTGCGTGCCGCTGTTTGCCTCTCCCTGTTAATTCTCAGCTCTTCTCCT TCCCCCTCCCCCTTCTTCTTTCGTCGCCCCCTTTTATCCCCCCCCCTCCCTTCCCT CTCCTTCCCCCGCCCCAATTTCCCCGCCCCGTTTCTCCGCTCTCGCTATCCGCTCTT CCCCCGGCCCTATGTCGTTCCCTTCCGCGCCCTNTA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_031409
Insert Size:	3490 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:	NM_031409.2 , NP_113597.2
RefSeq Size:	3463 bp
RefSeq ORF:	1125 bp
Locus ID:	1235
UniProt ID:	P51684
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 (2) is the longer transcript. Variants 1 and 2 encode the same protein.</p>