

Product datasheet for **SC321474**

CCR1 (NM_001295) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR1 (NM_001295) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR1
Synonyms:	CD191; CKR-1; CKR1; CMKBR1; HM145; MIP1aR; SCYAR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001295.2
 AAAGCCCCAGAAACAAAGACTTCACGGACAAAGTCCCTTGGAACCCAGAGAGAAGCCGGGA
 TGGAAACTCCAAACACCACAGAGGACTATGACACGACCACAGAGTTTGACTATGGGGATG
 CAACTCCGTGCCAGAAGGTGAACGAGAGGGCCTTTGGGGCCAACTGCTGCCCTCTGT
 ACTCCTTGGTATTTGTCATTGGCCTGGTTGAAACATCCTGGTGGTCTGGTCTGTGC
 AATACAAGAGGCTAAAAACATGACCAGCATCTACCTCCTGAACCTGGCCATTTCTGACC
 TGCTCTTCTGTTCACGCTTCCCTTCTGGATCGACTACAAGTTGAAGGATGACTGGGTTT
 TTGGTGATGCCATGTGTAAGATCCTCTCTGGGTTTTATTACACAGGCTTGACAGCGAGA
 TCTTTTTCATCATCCTGCTGACGATTGACAGGTACCTGGCCATCGTCCACGCCGTGTTTG
 CCTTGCGGGCACGGACCGTCACTTTTGGTGTATCACCAGCATCATCATTGGGCCCTGG
 CCATCTTGGCTTCCATGCCAGGCTTATACTTTTCCAAGACCCAATGGGAATTCACACACC
 ACACCTGCAGCCTTCACTTTCTCACGAAAGCCTACGAGAGTGGAAAGCTGTTTCAGGCTC
 TGAAACTGAACCTCTTTGGGCTGGTATTGCCTTTGTTGGTCATGATCATCTGCTACACAG
 GGATTATAAAGATTCTGCTAAGACGACCAATGAGAAGAAATCCAAGCTGTCCGTTTGA
 TTTTTGTATCATGATCATCTTTTTTCTTTTTGGACCCCTACAATTTGACTATACTTA
 TTTCTGTTTTCCAAGACTTCTGTTCACCCATGAGTGTGAGCAGAGCAGACATTTGGACC
 TGGCTGTGCAAGTGACGGAGGTGATCGCCTACACGCACTGCTGTGTCAACCCAGTGATCT
 ACGCCTTCGTTGGTGAGAGGTTCCGGAAGTACCTGCGGCAGTTGTTCCACAGGCGTGTGG
 CTGTGCACCTGGTTAAATGGCTCCCTTCTCTCCGTGGACAGGCTGGAGAGGGTCAGCT
 CCACATCTCCCTCCACAGGGGAGCATGAACTCTGCTGGGTTCTGACTCAGACCATAGG
 AGGCCAACCCAAAATAAGCAGGCGTGACCTGCCAGGCACACTGAGCCAGCAGCCTGGCTC
 TCCCAGCCAGGTTCTGACTCTTGGCACAGCATGGAGTACAGCCACTTGGGATAGAGAGG
 GAATGTAATGGTGGCCTGGGGCTTCTGAGGCTTCTGGGGCTTCAGTCTTTTCCATGAAC
 TCTCCCCTGGTAGAAAGAAGATGAATGAGCAAAACCAAATATTCCAGAGACTGGGACTAA
 GTGTACCAGAGAAGGGCTTGGACTCAAGCAAGATTTTCAAGTTTGTGACCATTAGCATTTG
 TCAACAAAGTCACCCACTTCCACTATTGCTTGCACAAACCAATTAACCCAGTAGTGGT
 GACTGTGGGCTCCATTCAAAGTGAGCTCCTAAGCCATGGGAGACACTGATGTATGAGGAA
 TTTCTGTTCTTCCATCACCTCCCCCCCCCGCCACCCTCCCACTGCCAAAGAACTTGAA
 ATAGTGATTTCCACAGTGACTCCACTCTGAGTCCCAGAGCCAATCAGTAGCCAGCATCTG
 CCTCCCCTTCACTCCCACCGCAGGATTTGGGCTCTTGGAACTCCTGGGGAACATAGAACTC
 ATGACGGAAGAGTTGAGACCTAACGAGAAATAGAATGGGGAACACTACTGCTGGCAGTGGA
 ACTAAGAAAGCCCTTAGGAAGAATTTTTATATCCACTAAAATCAAACAATTCAGGGAGTG
 GGCTAAGCACGGGCCATATGAATAACATGGTGTGCTTCTTAAAATAGCCATAAAGGGGAG
 GGACTCATATTTCCATTTACCTTCTTTTCTGACTATTTTTCAGAATCTCTCTCTTTT
 CAAGTTGGGTGATATGTTGGTAGATTCTAATGGCTTTATTGCAGCGATTAATAACAGGCA
 AAAGGAAGCAGGGTTGGTTTCCCTTCTTTTTGTCTTCTCATCTAAGCCTTCTGGTTTTATG
 GGTCAGAGTTCGACTGCCATCTTGGACTTGTGACGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001295

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001295.2 , NP_001286.1
RefSeq Size:	2690 bp
RefSeq ORF:	1068 bp
Locus ID:	1230
UniProt ID:	P32246
Cytogenetics:	3p21.31
Domains:	7tm_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. The ligands of this receptor include macrophage inflammatory protein 1 alpha (MIP-1 alpha), regulated on activation normal T expressed and secreted protein (RANTES), monocyte chemoattractant protein 3 (MCP-3), and myeloid progenitor inhibitory factor-1 (MPIF-1). Chemokines and their receptors mediated signal transduction are critical for the recruitment of effector immune cells to the site of inflammation. Knockout studies of the mouse homolog suggested the roles of this gene in host protection from inflammatory response, and susceptibility to virus and parasite. This gene and other chemokine receptor genes, including CCR2, CCRL2, CCR3, CCR5 and CCXCR1, are found to form a gene cluster on chromosome 3p. [provided by RefSeq, Jul 2008]