

Product datasheet for SC114153

CCR10 (NM_016602) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR10 (NM_016602) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR10
Synonyms:	GPR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114153 sequence for NM_016602 edited (data generated by NextGen Sequencing)

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ATGGGGACGGAGGCCACAGAGCAGGTTTCTGGGGCCATTACTCTGGGGATGAAGAGGAC
GCATACTCGGCTGAGCCACTGCCGGAGCTTTGCTACAAGGCCGATGCCAGGCCTTCAGC
CGGGCCTTCCAACCCAGTGTCTCCCTGACCGTGGCTGCGCTGGGTCTGGCCGGAATGGC
CTGGTCTTGCCACCCACCTGGCAGCCGACGCGCAGCGCTCGCCACCTCTGCCAC
CTGCTCCAGTGGCCCTGGCCGACCTCTTGTGGCCCTGACTCTGCCCTTCGCGGAGCA
GGGGCTTTCAGGGCTGGAGTCTGGGAAGTGCCACCTGCCGCACCATCTGGCCCTAC
TCGGCCTCCTTCCAGCCGGCTTCTCTTCTGGCCTGTATCAGCGCCGACCGCTACGTG
GCCATCGCGGAGCGCTCCAGCCGGCCGCGGCCCTCCACTCCCGCCGCGCACACTTG
GTCTCCGTATCGTGTGGCTGCTGTCAGTCTCCTGGCGCTGCCGCTGCTCTTCAGC
CAGGATGGGCAGCGGGAAGGCCAACGACGCTGTCGCCTCATCTTCCCGAGGGCCTCACG
CAGACGGTGAAGGGGGCAGCGCCTGGCGCAGGTGGCCCTGGGCTTCGCGCTGCCGCTG
GGCGTCATGGTAGCCTGTACGCGCTTCTGGGCGTACGCTGCTGGCCGCAAGGGGGCC
GAGCGCCGGCGTGCCTGCGCGTCTGGTGGCTCTGGTGGCGCCCTTCGTGGTGTGCG
CTGCCCTACAGCCTCGCCCTGCTGCTGGATACTGCCGATCTACTGGTGCAGCGGAGCGG
AGCTGCCCTGCCAGCAAACGCAAGGATGTCGCACTGCTGGTGACCAGCGGCTTGGCCCTC
GCCCGCTGTGGCCTCAATCCCGTTCTCTACGCCTTCTGGGCTGCGCTTCCGCCAGGAC
CTGCGGAGGCTGCTACGGGGTGGGAGCTGCCCTCAGGGCCTCAACCCCGCCGCGCTGC
CCCCGCCGGCCCGCCTTCTTCTGCTCAGCTCCACGGAGACCCACAGTCTCTCTCTGG
GACAACTAG

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Clone variation with respect to NM_016602.2
696 c=>t



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016602 unedited GGCCTACGGGTACGCGGCCGCTGGTGGNTAACAAACACATTCGCCCTTATGTGGCAA GGCACAGAGGTAGTCCCTTTAGGTCCCTGCCTCTTTCTCAGTGTCCCCACCTACTCCC CTTTCCCACGACCCTCAGCCTGCCCCCTCTAGATTCGCAGCCCTAGTTGTCCAGGA GAGACTGTGGGTCTCCGTGGGAGCTGAGCATGATTTTTGGCGGGCCGGCGGGGCGAGCC GCGGCGGGGTTGAGGCCCTGAGGGGAGCTCCCACCCGTAGCAGCCTCCGCAGGTCCTG CGGAAGCGCAGGCCAGGAAGGCGTAGAGAACGGGATTGAGGCCACAGCGGGCGAGGGC CAAGCCGCTGGTCACCAGCAGTGCACATCCTTGCCTTGGTGGCAGGGCAGCTCCGCTC GCGCGCAGCCAGTAGATCGGCAGTATCCAGCAGCAGGGCGAGGCTGTAGGCAGCTGCAG CACCACGAAGGCCGCCACCAGAGCCACCACGACGCGCAGCGCACGCCGGCGCTCGGGCCC CCTGGCGCCAGCAGCGTACGGCCAGAAGCGCGTAGCAGGCTACCATGACGCCAGCGG CAGCGGAAGCCAGGGCCACCTGCGCCACGGCGCTCGCCCCCTCACCGTCTGCGTGAG GCCCTCGGGGAAGATGATGCGACAGCGTGTGGCCTTCCCGCTGCCATCCTGGCTGAA GAGCAGCGCATGCAGCGCCGGGAGCAGTGACAGCAGCCACACGATGACGGAGACCAAAT GTGCGCGGCCCGGAGTGGAGGGCCCGCCGGCTGGGAGCGCTCGCGCATGGCCACTT AACGGTCGGGGCTGTTACAGGCCAGGAAGAGAA
Restriction Sites:	Please inquire
ACCN:	NM_016602
Insert Size:	1300 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_016602.1 , NP_057686.1
RefSeq Size:	1244 bp
RefSeq ORF:	1089 bp
Locus ID:	2826
UniProt ID:	P46092
Cytogenetics:	17q21.2
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary:

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane, G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. Chemokines are divided into 2 major subfamilies, CXC and CC, based on the arrangement of the first 2 of the 4 conserved cysteine residues; the 2 cysteines are separated by a single amino acid in CXC chemokines and are adjacent in CC chemokines. CCR10 is the receptor for CCL27 (SCYA27; MIM 604833); CCR10-CCL27 interactions are involved in T cell-mediated skin inflammation (Homey et al., 2002 [PubMed 11821900]).[supplied by OMIM, Mar 2008]