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Product datasheet for SC109082

CCR2 (NM_000648) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR2 (NM_000648) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR2
Synonyms:	CC-CKR-2; CCR2A; CCR2B; CD192; CKR2; CKR2A; CKR2B; CMKBR2; MCP-1-R
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC109082 sequence for NM_000648 edited (data generated by NextGen Sequencing)

ATGCTGTCCACATCTCGTTCTCGGTTTATCAGAAATACCAACGAGAGCGGTGAAGAAGTC
ACCACCTTTTTTGATTATGATTACGGTGCTCCCTGTCATAAATTTGACGTGAAGCAAATT
GGGGGCCCAACTCCTGCCTCCGCTCTACTCGCTGGTGTTCATCTTTGGTTTTGTGGGCAAC
ATGCTGGTCATCCTCATCTTAATAAACTGCAAAAAGCTGAAGTGCTTGACTGACATTTAC
CTGCTCAACCTGGCCATCTCTGATCTGCTTTTTCTTATTACTCTCCCATTGTGGGCTCAC
TCTGCTGCAAATGAGTGGGTCTTTGGGAATGCAATGTGCAAATTATTCACAGGGCTGTAT
CACATCGGTTATTTTGGCGGAATCTTCTTCATCATCCTCCTGACAATCGATAGATACCTG
GCTATTGTCCATGCTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTTTGGGGTGGTGACA
AGTGTGATCACCTGGTTGGTGGCTGTGTTTGCTTCTGTCCCAGGAATCATCTTTACTAAA
TGCCAGAAAGAAGATTCTGTTTATGTCTGTGGCCCTTATTTTCCACGAGGATGGAATAAT
TTCCACACAATAATGAGGAACATTTTGGGGCTGGTCCTGCCGCTGCTCATCATGGTCATC
TGCTACTCGGGAATCCTGAAAACCCTGCTTCGGTGTCGAAACGAGAAGAAGAGGCATAGG
GCAGTGAGAGTCATCTTCACCATCATGATTGTTTACTTTCTCTTCTGGACTCCCTATAAT
ATTGTCATTCTCCTGAACACCTTCCAGGAATTCTTCGGCCTGAGTAACTGTGAAAGCACC
AGTCAACTGGACCAAGCCACGCAGGTGACAGAGACTCTTGGGATGACTCACTGCTGCATC
AATCCCATCATCTATGCCTTCGTTGGGGAGAAGTTCAGAAGGTATCTCTCGGTGTTCTTC
CGAAAGCACATCACCAAGCGCTTCTGCAAACAATGTCCAGTTTTCTACAGGGAGACAGTG
GATGGAGTGACTTCAACAAACACGCCTTCCACTGGGGAGCAGGAAGTCTCGGCTGGTTTA
TAA

Clone variation with respect to NM_000648.2
190 g=>a

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000648 unedited
GGGGGGGACCNNNNNCCCTTTCCCNCCCGGTTCAGATTTGTNATACGACTCACTATAGGC
GGCCGCGAATTCGCACGAGGCTGAACAGAGAAGTGGATTGAACAAGGACGCATTTCCCCA
GTACATCCACAACATGCTGTCCACATCTCGTTCTCGGTTTATCAGAAATACCAACGAGAG
CGGTGAAGAAGTCACCACCTTTTTTGATTATGATTACGGTGCTCCCTGTCATAAATTTGA
CGTGAAGCAAATTGGGGCCCAACTCCTGCCTCCGCTCTACTCGCTGGTGTTCATCTTTGG
TTTTGTGGGCAACATGCTGGTCATCCTCATCTTAATAAACTGCAAAAAGCTGAAGTGCTT
GACTGACATTTACCTGCTCAACCTGGCCATCTCTGATCTGCTTTTTCTTATTACTCTCCC
ATTGTGGGCTCACTCTGCTGCAAATGAGTGGGTCTTTGGGAATGCAATGTGCAAATTATT
CACAGGGCTGTATCACATCGGTTATTTTGGCGGAATCTTCTTCATCATCCTCCTGACAAT
CGATAGATACCTGGCTATTGTCCATGCTGTGTTTGCTTTAAAAGCCAGGACGGTCACCTT
TGGGGTGGTGACAAGTGTGATCACCTGGTTGGTGGCTGTNGTTGCTTCTGTCCCCAGAAT
CATCTTTACTAAATGCCAGANAGAAGATTCTGTTTATGTCTGTGGCCCTTTATTTCCACG
AGGATGGAAATATTNCACANCATTATGAGGAACATTNNTGNGCTGGTCCCTGCGCTGCTC
ATCATGGNCATCTGCTACTCGGNAATCCTGAAACCCTGCTTNCGTGTCGAAACGAGAAGA
AGAGCATAGGGCAGTGAGAGTCATCTTCACATCATNGATGTTACTTTCTCTTCTGGACTC
CCTATATATGNCATCTNNCTGACACTTNCAGNNATCTTCGNCTGAGTACTGTGAAGCACA
GTCACTGGACCAGCCGCAGTGACAGAACTCTGGGAGACTACTGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000648 unedited
CTTTGGCCCGCGGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTCTTTTATCAA
CATAGTTATAGCATTGATTTATTTTCCAAATCATAGTTGTTAAAAACAGTATTTACATTT
CATCACCATCAACTTAACATTTTATGCATTCATTAGGATCATACAAATATATGAAGGTGA
AAGTTCTGCTCTGTCCCCACTTCTTTCTGAAACCTTCTTTAGCCATGTGGCCTGAAAGTA
GAGCCATAGTCCAGCTTGGGAGTCTAGTTCCCAAGTTGCCTGGTTCTAGAAGCCCAGTGT
TTCTTGCTTGCATCAGATCAGAAACACACTGGGCAACATAAGAACATTCTTAACTTGGCT
CGACTAAGAGGAAAGTCTTTGCTTACTTCAGGGAGCTTCTCCACCTTCCATTCTTTCCCA
ATAGGGTTTAAAAGCTTTGATTAGAAGCCAACTTGATTTAGGAGTTCCCACTGGCAAAAT
AGGGAACAATATGAGCATCAAGGACATCTGCGAAGCACTGAAACACTCGAATGTGATTAA
ACGCATGACTTCATAATGATACAAAACAAAACACAAAAGGCTTTTGGCAGCAAGCCTGAG
AGAATGGAGATCCAGCTGAGATGACAGCGATGGAGCGTATACTGTGATTCAAACGACATC
ATTACTTAGATGCTGCATGCACATAGGCTAATGTGCCCACAGATCACACACTTCCAACTC
CTGCCAATCAACAACTATTGGGGTTGACTCAGCAGTCTCCCAAACATACCACCTGCTCAA
AATTCTTAGCTCAAGCTAGATTATCTTGTGACTAATACAGATTTCACGTTTGACTGATAG
TACTCAACTAACTCTTACACATTACAAGTGCAGTTTCAGCTTAATTTATTTTACTATTAA
AAAAGCTGACTCTATGCTGTATCAAAAGAGGACTNAAGTAGTTGGAAAACTGTTCCACCC
ACTGGAGCCTCTCTT

Restriction Sites: NotI-NotI

ACCN: NM_000648

Insert Size: 3600 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:	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_000648.1, NP_000639.1
RefSeq Size:	1979 bp
RefSeq ORF:	1083 bp
Locus ID:	1231
Cytogenetics:	3p21.31
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	This gene encodes two isoforms of a receptor for monocyte chemoattractant protein-1, a chemokine which specifically mediates monocyte chemotaxis. Monocyte chemoattractant protein-1 is involved in monocyte infiltration in inflammatory diseases such as rheumatoid arthritis as well as in the inflammatory response against tumors. The receptors encoded by this gene mediate agonist-dependent calcium mobilization and inhibition of adenylyl cyclase. This gene is located in the chemokine receptor gene cluster region. Two alternatively spliced transcript variants are expressed by the gene. [provided by RefSeq] Transcript Variant: This variant (B) lacks the 3' exon but has an alternate 3' segment, as compared to transcript A. It encodes the predominant isoform (B) which localizes to the plasma membrane. Isoform B has a distinct C-terminus and is 14 aa shorter than isoform A.