

Product datasheet for **SC118980**

CCR3 (NM_001837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR3 (NM_001837) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR3
Synonyms:	CC-CKR-3; C C CKR3; CD193; CKR 3; CKR3; CMKBR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001837, RT-PCR generated
 ATGACAACCTCACTAGATACAGTTGAGACCTTTGGTACCACATCCTACTATGATGACGTG
 GGCTCTGTGAAAAAGCTGATACCAGAGCACTGATGGCCAGTTTGTGCCCCGCTG
 TACTCCCTGGTGTCACTGTGGCCTCTTGGCAATGTGGTGGTGGTATGATCCATCATA
 AAATACAGGAGGCTCCGAATTATGACCAACATCTACCTGTCAACCTGGCCATTTCCGAC
 CTGCTTCTCCTCGTCACCCTTCCATTCTGGATCCACTATGTCAGGGGGCATAACTGGTT
 TTTGGCCATGGCATGTGTAAGCTCCTCTCAGGGTTTTATCACACAGGCTTGTACAGCGAG
 ATCTTTTTTCATAATCCTGCTGACAATCGACAGGTACCTGGCCATTGTCCATGCTGTGTT
 GCCCTTCGAGCCCGACTGTCACCTTTGGTGTGTCATCACCAGCATCGTCACCTGGGCCTG
 GCAGTGTAGCAGCTCTCCTGAATTTATCTTCTATGAGACTGAAGAGTTGTTTGAAGAG
 ACTCTTTGCAGTGTCTTTACCCAGAGGATACAGTATATAGCTGGAGGCATTTCCACACT
 CTGAGAATGACCATCTTCTGTCTCGTTCCCTCTGCTCGTTATGGCCATCTGCTACACA
 GGAATCATCAAAACGCTGCTGAGGTGCCCCAGTAAAAAAGTACAAGGCCATCCGGCTC
 ATTTTTGTGTCATGCGGGTGTGTTTTCATTTTCTGGACACCCTACAATGTGGCTATCCTT
 CTCTCTTCTCAATCCATCTTATTTGGAAATGACTGTGAGCGGAGCAAGCATCTGGAC
 CTGGTCATGCTGGTGACAGAGGTGATCGCCTACTCCCACTGCTGCATGAACCCGGTGATC
 TACGCCTTTGTTGGAGAGAGGTTCCGGAAGTACCTGCGCCACTTCTTCCACAGGCACTTG
 CTCATGCACCTGGGCAGATACATCCCATTCCTTCTAGTGAGAAGCTGGAAGAACCAGC
 TCTGTCTCTCCATCCACAGCAGAGCCGGAACCTCTATTGTGTTTTAG



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001837 unedited
 TTTTAGTTGGGTTGGGNNGCTTANNCGATGGCGTTTAGGGCTTTGACGTGAATCTGCAGA
 AATCGGCTTGAGAAGTGAATGACACACCCACTAGATACAGTTGAGACCTTTGGTACCAC
 ATCCTACTATGATGACGTGGGCCTGCTCTGTGAAAAAGCTGATACCAGAGCACTGATGGC
 CCAATTTGTGCCCCCGCTGACTCCCTGTAGTCATTGTGGGCCTTTGGGCAATGTGGTG
 GTGGTGATGATCCTCATAAAATACAGGAGGCTCCGAATTATGACCAACATCTACCTGCTC
 AACCTGGCCATTTCCGACCTGCTCTTCTCGTCACCCCTCCATTCTGGATCCACTATGTC
 AGGGGGCATAAAGTGGGTTTTTGGCCATGGCATGTGTAAGCTCCTCTCAGGGTTTTATCAC
 ACAGGCTTGACAGCGAGATCTTTTTCATAATCCTGCTGACAATCGACAGGTACCTGGCC
 ATTGTCCATGCTGTGTTTGCCTTCGAGCCCGACTGTCACCTTTTGGTGCATCACCAGC
 ATCGTCACCTGNGGCCTGACAGTCTAGCAGCTTCTCTGAATTTATCTTCTATGAGACT
 GAACAGTTGTTTGAAGAGACTCTTTCAGTGTCTTTACCCAGACGATACAGTATATAGC
 TGGGAGCATTTNCACACTCTGAGGATGACCATCTTCTGTCTCCGCTCCCTCTGCTCGTT
 ATGGCCATCTGCTACACAGGATCATAAAACGCTGCTGAAGTGCCCCAGTAAAAAAAAT
 ACAAGGCCATCCCGGCTCATTTTTGTGTCATCATGGCCGGGTTTTATTCATTTTCTGAAAC
 CCTTAAAAGTGGGCTATTCCTTCTCTTGTATAAATCCATCTTATTTGGAAAGACTG
 TGAGCGGAGAAGGAACTGAACTGAAAGCCGGGGAAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001837 unedited
 GAAAGCCATTGGNGATGGCACTTCCAGGACCAGNAAAGCACTGGGNGAGGTCACAGG
 AATGCCACCCGGGTTCTGTTTCAGAAAAGCTATGACCGCGGCCCAATCTAGAGTCGACA
 AGCTTGATATCGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTCTGGAATTC
 GGCTTCTGACCTAAAACACAATAGAGAGTTCGGCTCTGCTGTGGATGGAGAGACAGAGA
 TGGTTCTTTCAAGCTTCTCACTAGGAAGGAATGGGACGTAAGTCCCAGGTGCAAGAGCA
 AGTGCCTGTGGAAGAAGTGGCACCGTACTTCCGGAACCTCTCTCCAACACAGCGTAA
 TGACCCGGATCATGCACCCAAAGGGAGAAGGCAATCATATATATCGCCGCGGGAACCGA
 TACAAATGCTTAAACCTTTTCGGGAATTGGCTATGTTATGTGGAGTGTGATGAAATAG
 CAGCATATCCATAAGAGAAAACCGGTATCTGCGTGTGTTTTTATTAGGGAGAAGGAAAA
 TATACGAATTATGCGGGCGGGGGCGGAAAGAAATATTTTCAGTTTTGAGGGATGCGG
 TGTTTTAAAAAAGGGCGGGCGATGAAAGGGTATTTTTTTTTTCGAAAACCTCTCCCGC
 CAAAACCTCCTCTTTTATCAGACGAAATAAGGGTAATAGAATGAAGGAAGAATGACGCG
 AGGGTGTAAAGCCGCGCCGAAAAGGCCGGGCGCTTAAGTTTTCTTAGATTATTTAAAGA
 TTTTTCCCGCTACATAGAAATATAGCCCTCTATAAAAAACATACCCGCGCGCGGC
 GAAGCGCGGAAATAAACCAAAAAAAGCGGCGGAAAAAATCGCTTGATATCGTGTG
 CGGAGGTT

Restriction Sites:

Please inquire

ACCN:

NM_001837

Insert Size:

1200 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_001837.2](#), [NP_001828.1](#)

RefSeq Size: 1945 bp

RefSeq ORF: 1068 bp

Locus ID: 1232

UniProt ID: [P51677](#)

Cytogenetics: 3p21.31

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

Gene Summary: The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants have been described. [provided by RefSeq, Sep 2009]

Transcript Variant: This variant (1) represents the longest transcript. It encodes the same isoform (1) as variant 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.