

## Product datasheet for **SC123356**

### CCR3 (NM\_178329) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCR3 (NM_178329) 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><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:**

```
>OriGene sequence for NM_178329 edited
TGCTGGGCGAATCCCTTTCTGTCTGGTTCATTTGGACCTCCAAAGCCCACAGGCTGGA
ACGGCTGAGTCATCCAAACAAAAAGGTGGCAGCCCATCCCTCCCCAGGAGCTTACCC
TGTCTCAAGTAGGTGCTACCCTGTTGCTGGTGGCTGGCTGGAATCCAAGCCAGTTGATC
TTATCCTGTGAGGTCCCTTGAAGTGGGGCCACAGACTGACGCTGCTCTGCTTCCTGGA
TTCAGCCCTCTTCTAAGGAGCTCATGGACCCTGGCCGTCATCAGGTTCAACCTCATATT
CAACTGCTGGCCCTTGTCTTCTGGCCACACTCTCCAAATCAGCGATGGTGGGGAAC
TGAGGAGCCAGAGGCCATTGTGGAAGAAGCTCAAGAAAAAATCTCCAGGTTATCACATC
TAAAGCCTGAGCAAGATTTGAGGCTGGGAAGAGGTGGATCCCAGAATTGGAAGAAGGAGT
GGTGATGCCTAAGCTATCACTGGACATATCAAGGACTTACTAAATTAGCAGGGAGAAGT
GAAATGACAACCTCACTAGATACAGTTGAGACCTTTGGTACCACATCCTACTATGATGAC
GTGGCCCTGCTCTGTGAAAAAGCTGATACCAGAGCACTGATGGCCAGTTTGTGCCCCCG
CTGTACTCCCTGGTGTCTACTGTGGCCCTTGGGCAATGTGGTGGTGGTATGATCCTC
ATAAAATACAGGAGGCTCCGAATTATGACCAACATCTACCTGCTCAACCTGGCCATTTCCG
GACCTGCTCTTCTCGTACCCTCCATTCTGGATCCACTATGTCAGGGGGCATAACTGG
GTTTTTGGCCATGGCATGTGTAAGCTCCTCTCAGGGTTTTATCACACAGGCTTGTACAGC
GAGATCTTTTTATAATCCTGCTGACAATCGACAGGTACCTGGCCATTGTCCATGCTGTG
TTTGCCCTTCGAGCCCGACTGTCACTTTTGGTGTATCACCAGCATCGTACCTGGGGC
CTGGCAGTGCTAGCAGCTCTTCTGAATTTATCTTCTATGAGACTGAAGAGTTGTTTGA
GAGACTCTTTCAGTGCTCTTACCCAGAGGATACAGTATATAGCTGGAGGCATTTCCAC
ACTCTGAGAAATGACCATCTTCTGTCTCGTTCTCCCTCTGCTCGTTATGGCCATCTGCTAC
ACAGGAATCATCAAAACGCTGCTGAGGTGCCCCAGTAAAAAAAAGTACAAGGCCATCCGG
CTCATTTTTGTGTCATCATGGCGGTGTTTTTCATTTTCTGGACACCCTACAATGTGGCTATC
CTTCTCTTCCATCAATCCATCTTATTTGAAATGACTGTGAGCGGAGCAAGCATCTG
GACCTGGTCTGCTGGTACAGAGGTGATCGCCTACTCCCACTGCTGCATGAACCCGGTG
ATCTACGCCCTTGTGGAGAGAGGTTCCGGAAGTACCTGCGCCACTTCTTCCACAGGCAC
TTGCTCATGCACCTGGGCAGATACATCCCATTCTTCTAGTGAGAAGCTGGAAGAACC
AGCTCTGTCTCTCCATCCACAGCAGAGCCGGAAGTCTCTATTGTGTTTTAGGTGAGATGC
AGAAAATTGCCTAAAGAGGAAGGACCAAGGAGATGAAGCAAACACATTAAGCCTTCCACA
CTCACCTCTAAAACAGTCTTCAAACCTCCAGTGAACACTGAAGCTCTTGAAGACTG
AAATATACACACAGCAGTAGCAGTAGATGCATGTACCCTAAGGTCATTACCACAGGCCAG
GGGCTGGGCGAGCTACTCATCAACCCTAAAAGCAGAGCTTTGCTTCTCTCTATAAA
ATGAGTTACCTACATTTAATGCACCTGAATGTTAGATAGTTACTATATGCCGCTACAAA
AAGGTAACCTTTTTATATTTTATACATTAACCTCAGCCAGCTATTGATATAAATAAAAC
ATTTTCACACAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_178329 unedited GGGGACGTTTGGATTTTGTAAATACGACTTACTATAGGGNCCGGCCGCGCAATTCGAAGCC AGTTGATCTTATCCTGTGAGGTCCTTGGAAAGTGGGGCCACAGACTGACGCTGCTCTGC TTCCTGGATTCAGCCCTTCTCTAAGGAGCTCATGGACCCTGGCCGTCATCAGGTTCAAC CTCATATTCAACTGCTGGGCCTTGCTTCTGGCCACACACTCTCCTCAAATCAGCGATGG TGGGAACTGAGGAGCCAGAGGCCATTGTGGAAGAACTCCAAGAAAACAATCTCCAGGTT ATCACATCTAAAGCCTGAGCAAGATTTGAGGCTGGGAAGAGGTGGATCCCAGAATTGGAA GAAGGAGTGGTGATGCCTAAGCTATCACTGGACATATCAAGGACTTCACTAAATTAGCAG GGAGAAGTGAAATGACAACCTCACTAGATACAGTTGAGACCTTTGGTACCACATCTACT ATGATGACGTGGGCCTGCTGTGAAAAAGCTGATACCAGAGCACTGATGGCCAGTTTG TGCCCCGCTGTACTCCCTGGTGTTCAGTGTGGGCCTCTNNGCAATGTGGTGGTGGTGA TGATCCTCATAAAATACAGGAGGCTCCGAATTATGACCAACATCTACCTGCTCAACTGG CCATTTCCGACCTGCTCTCCTCGTCACCCTTCCATTCTGGATCCACTATGTCAGGGGGC ATAACTGGGTTTTGGCCATGGCATGTGTAAGCTCCTCTCAAGGTTTATCACACAGGCTT GTACAGCGAGATCCTTTTTCATATCCTGCTGACAATCGACAGGTACCTGGCCATTTGTCA TGCTGTGTTTGCCTTCAAGCCCGACTGCACTTTTGGTGTATCACCAGCATCTTACC TGG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_178329
<b>Insert Size:</b>	2030 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_178329.1</a> , <a href="#">NP_847899.1</a>
<b>RefSeq Size:</b>	1866 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	1232
<b>UniProt ID:</b>	<a href="#">P51677</a>
<b>Cytogenetics:</b>	3p21.31
<b>Protein Families:</b>	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 (2) lacks an internal exon in the 5' UTR, as compared to variant 1. Both variants encode the same isoform 1. 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.