

## Product datasheet for SC326936

### CCR3 (NM\_001164680) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCR3 (NM_001164680) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR3
Synonyms:	CC-CKR-3; C C CKR3; CD193; CKR 3; CKR3; CMKBR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326936 representing NM_001164680. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGCCATTTGGAATAAGAATGCTGTTAAGAGCACACAAGCCAGGGAGAAGTGAAATGACAACCTCACTA  
 GATACAGTTGAGACCTTTGGTACCACATCCTACTATGATGACGTGGGCTGCTCTGTGAAAAAGCTGAT  
 ACCAGAGCACTGATGGCCAGTTTGTGCCCCGCTGTACTCCCTGGTGTCTACTGTGGGCTCTTGGGC  
 AATGTGGTGGTGGTATGATCCTCATAAAATACAGGAGGCTCCGAATTATGACCAACATCTACCTGCTC  
 AACCTGGCCATTTCCGACCTGCTCTTCTCGTCACCTTCCATTCTGGATCCACTATGTCAGGGGGCAT  
 AACTGGGTTTTTGCCATGGCATGTGTAAGCTCCTCTCAGGGTTTATCACACAGGCTTGTACAGCGAG  
 ATCTTTTTCATAATCCTGCTGACAATCGACAGGTACCTGGCCATTGTCCATGCTGTGTTTGCCTTCGA  
 GCCCGACTGTCATTTTGGTGTGTCATCACCAGCATCGTCACCTGGGGCTGGCAGTGCTAGCAGCTCTT  
 CCTGAATTTATCTTCTATGAGACTGAAGAGTTGTTTGAAGAGACTCTTTCAGTGCTCTTTACCCAGAG  
 GATACAGTATATAGCTGGAGGCATTTCCACACTCTGAGAATGACCATCTTCTGTCTCGTTCTCCCTCTG  
 CTCGTTATGGCCATCTGCTACACAGGAATCATCAAAACGCTGCTGAGGTGCCCAAGTAAAAAAGTAC  
 AAGGCCATCCGGCTCATTTTGTGTCATGCGGGTGTTCATTTCTGGACACCCTACAATGTGGCT  
 ATCCTTCTCTCTCCTATCAATCCATCTTATTTGAAATGACTGTGAGCGGAGCAAGCATCTGGACCTG  
 GTCATGCTGGTGACAGAGGTGATCGCCTACTCCACTGCTGCATGAACCCGGTGATCTACGCCTTTGTT  
 GGAGAGAGGTTCCGGAAGTACCTGCGCACTTCTTCCACAGGCACTTGCTCATGCACCTGGGCAGATAC  
 ATCCCATTCCTTCTAGTGAGAAGCTGGAAGAACCAGCTCTGTCTCTCCATCCACAGCAGAGCCGGAA  
 CTCTCTATTGTGTTT**TAG**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


[View online »](#)

<b>ACCN:</b>	NM_001164680
<b>Insert Size:</b>	1122 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>OTI Annotation:</b>	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.
<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>	<u><a href="#">NM_001164680.1</a></u>
<b>RefSeq Size:</b>	1777 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	1232
<b>Cytogenetics:</b>	3p21.31
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>MW:</b>	43.1 kDa

**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 (4) has an alternate internal exon, which includes an upstream in-frame AUG start codon, as compared to variant 1. The resulting isoform (3) has a longer N-terminus, as compared to 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.