

## Product datasheet for **RG210337**

### CCR3 (NM\_001837) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCR3 (NM_001837) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCR3
Synonyms:	CC-CKR-3; C C CKR3; CD193; CKR 3; CKR3; CMKBR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210337 representing NM_001837 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAACCTCACTAGATACAGTTGAGACCTTTGGTACCACATCCTACTATGATGACGTGGGCCTGCTCT  
GTGAAAAAGCTGATACCAGAGCACTGATGGCCAGTTTGTGCCCCGCTGTACTCCCTGGTGTCTACTGT  
GGCCTCTGGGCAATGTGGTGGTGGTATGATCCTCATAAAATACAGGAGGCTCCGAATTATGACCAAC  
ATCTACCTGCTCAACCTGGCCATTTCCGACCTGCTCTTCTCCTCGTACCCTTCCATTCTGGATCCACTATG  
TCAGGGGGCATAACTGGGTTTTTGGCCATGGCATGTGTAAGCTCCTCTCAGGGTTTTATCACACAGGCTT  
GTACAGCGAGATCTTTTTCATAATCCTGCTGACAATCGACAGGTACCTGGCCATTGTCCATGCTGTGTTT  
GCCCTTCGAGCCCGGACTGTCACTTTTGGTGTATCACCAGCATCGTACCTGGGCCTGGCAGTGTAG  
CAGCTCTTCTGAATTTATCTTCTATGAGACTGAAGAGTTGTTTGAAGAGACTCTTTCAGTGTCTTTA  
CCCAGAGGATACAGTATATAGCTGGAGGCATTTCCACACTCTGAGAATGACCATCTTCTGTCTGTTCTC  
CCTCTGCTCGTTATGGCCATCTGCTACACAGGAATCATAAAACGCTGCTGAGGTGCCCCAGTAAAAAA  
AGTACAAGGCCATCCGGCTCATTTTTGTCATCATGGCGGTGTTTTTCATTTCTGGACACCTACAATGT  
GGCTATCCTTCTCTTCTTCTATCAATCCATCTTATTTGAAATGACTGTGAGCGGAGCAAGCATCTGGAC  
CTGGTCATGCTGGTACAGAGGTGATCGCCTACTCCCCTGCTGCATGAACCCGGTGATCTACGCCCTTTG  
TTGGAGAGAGGTTCCGGAAGTACCTGCGCACTTCTTCCACAGGCACTTGCTCATGCACCTGGGCAGATA  
CATCCCATTCTTCTTAGTGAGAAGCTGAAAGAACCAGCTCTGTCTCTCCATCCACAGCAGAGCCGGAA  
CTCTCTATTGTGTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG210337 representing NM\_001837  
 Red=Cloning site Green=Tags(s)

MTTSLDVTETFGTTSYDDVGLLCEKADTRALMAQFVPPLYSLVFTVGLLGNNVVVMILIKYRRLRIMTN  
 IYLLNLAISDLLFLVTLPFWIHYVRGHNVVFGHGMCKLLSGFYHTGLYSEIFFIILLTIDRYLAIHVAVF  
 ALRARTVTFGVITSIVTWGLAVLAALPEFIFYETEELFEETLCSALYPEDTVYSWRHFHTLRMTIFCLVL  
 PLLVMAICYTGIIKTLLRCPSSKKKYKAIRLIFVIMAVFFIFWTPYNVAILLSSYQSILFGNDCERSKHL  
 LVM LVTEVIAYSHCCMNPVIYAFVGERFRKYLRFHFRHLLMHLGRYIPFLPSEKLERTSSVSPSTAEPE  
 LSIVF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001837

**ORF Size:** 1065 bp

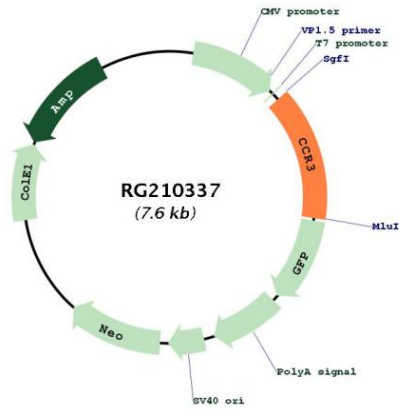
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

<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_001837.4</a>
<b>RefSeq Size:</b>	1945 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
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>Gene Summary:</b>	<p>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]</p>

Product images:



Circular map for RG210337