

Product datasheet for **RG228301**

CCR3 (NM_001164680) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR3 (NM_001164680) 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:	>RG228301 representing NM_001164680 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCATTTGGAATAAGAATGCTGTTAAGAGCACACAAGCCAGGGAGAAGTAAATGACAACCTCACTAG
ATACAGTTGAGACCTTTGGTACCACATCCTACTATGATGACGTGGGCCTGCTCTGTGAAAAAGCTGATAC
CAGAGCACTGATGGCCAGTTTGTGCCCGCTGTACTCCCTGGTGTCACTGTGGGCCTTTGGGCAAT
GTGGTGGTGGTGTATGATCCTCATAAAATACAGGAGGCTCCGAATTATGACCAACATCTACCTGCTCAACC
TGCCATTTTCGGACCTGCTCTTCTCGTCACCCTTCCATTCTGGATCCACTATGTCAGGGGGCATAACTG
GGTTTTGGCCATGGCATGTGTAAGCTCCTCTCAGGGTTTTATCACACAGGCTTGTACAGCGAGATCTTT
TTCATAATCCTGCTGACAATCGACAGGTACCTGGCCATTGTCCATGCTGTGTTTGCCTTCGAGCCCGGA
CTGTCACTTTTGGTGTATCACCAGCATCGTCACCTGGGGCCTGGCAGTGTAGCAGCTCTTCTGAATT
TATCTTCTATGAGACTGAAGAGTTGTTTGAAGAGACTCTTTCAGTGTCTTTACCCAGAGGATACAGTA
TATAGCTGGAGGCATTTCCACACTCTGAGAATGACCATCTTCTGTCTCGTCTCCCTCTGCTCGTTATGG
CCATCTGCTACACAGGAATCATCAAACGCTGCTGAGGTGCCCGAGTAAAAAAGTACAAGGCCATCCG
GCTCATTTTTGTATCATGCGGGTGTTCATTTCTGGACACCCTACAATGTGGCTATCCTTCTCTCT
TCCTATCAATCCATCTTATTTGAAATGACTGTGAGCGGAGCAAGCATCTGGACCTGGTCAATGCTGGTGA
CAGAGGTGATCGCTACTCCCACTGCTGCATGAACCCGGTGATCTACGCCTTTGTTGGAGAGAGGTTCCG
GAAGTACCTGCGCACTTCTCCACAGGCACTTGTCTATGCACCTGGGCAGATACATCCCATTCCTTCTCT
AGTGAGAAGCTGGAAAGAACCAGCTCTGTCTCCATCCACAGCAGAGCCGGAACCTCTATTGTGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228301 representing NM_001164680
Red=Cloning site Green=Tags(s)

MPFGIRMLLRAHKPGRSEMTTSLDVTVEFTGTTSSYDDVGLLCEKADTRALMAQFVPPLYSLVFTVGLLGN
 VVVVMILIKYRRLRIMTNIYLLNLAISDLLFLVTLPFWIHYVRGHNWVFGHGMCKLLSGFYHTGLYSEIF
 FIILLTIDRYLAIVHAVFALRARTVTFGVITSIVTWGLAVLAALPEFIFYETEELFEETLCSALYPEDTV
 YSWRHFHTLRMTIFCLVPLLVMAICYGTGIKTLRLRCPKSKKYKAIRLIFVIMAVFFIFWTPYNVAILLS
 SYQSILFGNDCERSKHLDLVMLVTEVIAYSHCCMNPVIYAFVGERFRKYLRHFFHRHLLMHLGRYIPFLP
 SEKLERTSSVSPSTAEPELSIVF

TRTRPLE - GFP Tag - V

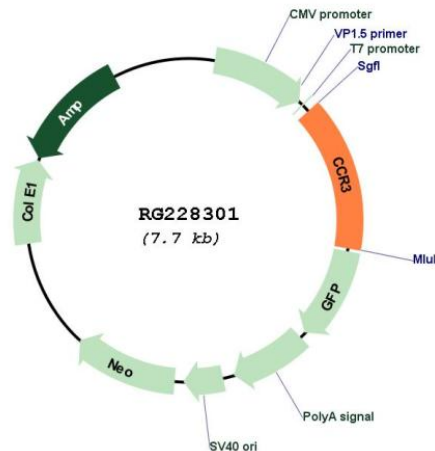
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001164680

ORF Size:	1119 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).
Reconstitution Method:	<ol style="list-style-type: none">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_001164680.2
RefSeq Size:	1777 bp
RefSeq ORF:	1122 bp
Locus ID:	1232
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]