

## Product datasheet for **RG207722**

### CCR6 (NM\_031409) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCR6 (NM_031409) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCR6
Synonyms:	BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29; GPRCY4; STRL22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207722 representing NM_031409 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCGGGGAATCAATGAATTCAGCGATGTTTTCGACTCCAGTGAAGATTATTTGTGTCAGTCAATA  
CTTCATATACTCAGTTGATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTGAGCAGTTCTCCAGGCT  
ATTTGTACCGATTGCCTACTCCTTGATCTGTGTCTTTGGCCTCCTGGGAATATTCTGGTGGTGATCACC  
TTTGCTTTTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGAACATGGCCATTGCAGACATCC  
TCTTTGTCTTACTCTCCATTCTGGGCAGTGAGTCATGCCACCGGTGCGTGGGTTTTAGCAATGCCAC  
GTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTGCTCCTGACTTGCATTAGC  
ATGGACCGGTACATCGCCATTGTACAGGCGACTAAGTCATTCCGGCTCCGATCCAGAACACTACCGCGCA  
GCAAAATCATCTGCCTTGTGTGTGGGGCTGTCAGTCATCATCTCCAGCTCAACTTTTGTCTTCAACCA  
AAAATACAACACCAAGGCAGCGATGTCTGTGAACCCAAGTACCAGACTGTCTCGGAGCCCATCAGGTGG  
AAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTTCATGATATTTGTT  
ACACGTTCAATTGTCAAAACCTTGGTGCAAGCTCAGAATTTAAAAGGCACAAAGCCATCCGTGTAATCAT  
AGCTGTGGTGCTGTGTTCTGGCTTGTGAGATTCCTCATAACATGGTCTGCTTGTGACGGCTGCAAAAT  
TTGGGTAATGAACCGATCCTGCCAGAGCGAAAAGCTAATTGGCTATACGAAAAGTGTACAGAACTACTT  
TGGCTTTCCTGCACTGCTGCCTGAACCTGTGCTCTACGCTTTTATTGGGCAGAAGTTCAGAAACTACTT  
TCTGAAGATCTTGAAGGACCTGTGGTGTGTGAGAAGGAAGTACAAGTCTCAGGCTTCTCCTGTGCCGGG  
AGGTACTCAGAAAACATTTCTCGGCAGACCAAGTACGACCCAGATAACGACAATGCGTCGTCCTTCACTA  
TG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

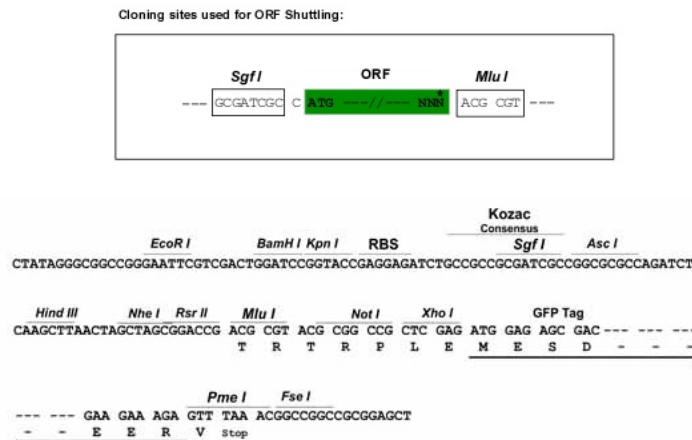
**Protein Sequence:** >RG207722 representing NM\_031409  
 Red=Cloning site Green=Tags(s)

MSGESMNFSDVFDSSDYFVSVNTSYYSVDSEMLLCSLQEVRFQFVPIAYSLICVFGLLGNILVVIT  
 FAFYKKARSMTDVYLLNMAIADILFVL TLPFWAVSHATGAWVFSNATCKLLKGIYAINFCGMLLLTCIS  
 MDRYIAIVQATKSFRLRSRTLPRSKIICLVVWGLSVIISSSTFFVFNQKYNTQGSVDCEPKYQTVSEPIRW  
 KLLMLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVLVFLACQIPHNMVLLVTAAN  
 LGKMNRSQCSEKLIQYTKTVTEVLAFLHCLNPVLYAFIGQKFRNYFLKILKDLWCVRRKYKSSGFSCAG  
 RYSENISRQTSETADNDNASSFTM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_031409

**ORF Size:** 1122 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:**

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\\_031409.3](#)

**RefSeq Size:** 3463 bp

**RefSeq ORF:** 1125 bp

**Locus ID:** 1235

**UniProt ID:** [P51684](#)

**Cytogenetics:** 6q27

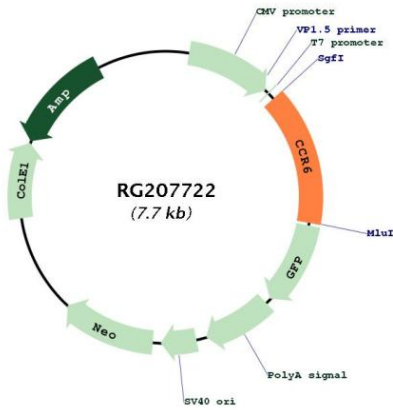
**Domains:** 7tm\_1

**Protein Families:** Druggable Genome, GPCR, Transmembrane

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

**Gene Summary:** This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dendritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207722