

## Product datasheet for RC232572

### CCR9 (NM\_001256369) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCR9 (NM_001256369) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCR9
Synonyms:	CC-CKR-9; CDw199; GPR-9-6; GPR28
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232572 representing NM_001256369 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACACCCACAGACTTCACAAGCCCTATTCTAACATGGCTGATGACTATGGCTCTGAATCCACATCTT  
CCATGGAAGACTACGTTAACTTCAACTTCACTGACTTCTACTGTGAGAAAAACAATGTCAGGCAGTTTGC  
GAGCCATTTCTCCACCCTTGTACTGGCTCGTGTTCATCGTGGTGCCTTGGGCAACAGTCTTGTATC  
CTTGTCTACTGGTACTGCACAAGAGTGAAGACCATGACCGACATGTTCTTTTGAATTTGGCAATTGCTG  
ACCTCCTCTTTCTGTCACTCTTCCCTTCTGGGCCATTGCTGCTGCTGACCAGTGAAGTCCAGACCTT  
CATGTGCAAGGTGGTCAACAGCATGTACAAGATGAACTTCTACAGCTGTGTGTTGCTGATCATGTGCATC  
AGCGTGGACAGGTACATTGCCATTGCCAGGCCATGAGAGCACATACTTGGAGGGAGAAAAGGCTTTTGT  
ACAGCAAATGGTTTGTCTTACCATCTGGGTATTGGCAGCTGCTCTGTCATCCCAGAAATCTTATACAG  
CCAAATCAAGGAGGAATCCGGCATTGCTATCTGCACCATGGTTTACCCTAGCGATGAGAGCACAAACTG  
AAGTCAGCTGTCTTGACCCTGAAGGTCACTTCTGGGTTCTTCTTCCCTCGTGGTCATGGCTTGTCTGT  
ATACCATCATCATTACACCCTGATACAAGCCAAGAAGTCTTCCAAGCACAAAGCCCTAAAAGTGACCAT  
CACTGTCTGACCGTCTTTGTCTGTCTCAGTTTCCCTACAACATGCAATTTGTTGGTGCAGACCATTGAC  
GCCTATGCCATGTTCACTCCAAGTGTCCGTTTCCACCAACATTGACATCTGCTCCAGGTCACCCAGA  
CCATCGCCTTCTCCACAGTTGCCCTGAACCCTGTTCTCTATGTTTTTGTGGGTGAGAGATTCGCGGGGA  
TCTCGTAAAACCTGAAGAAGTTGGGTTGCATCAGCCAGGCCAGTGGGTTTCATTTACAAGGAGAGAG  
GGAAGCTTGAAGCTGTCTATGTTGCTGGAGACAACCTCAGGAGCACTCTCCCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001256369.1](#), [NP\\_001243298.1](#)

**RefSeq Size:** 2653 bp

**RefSeq ORF:** 1074 bp

**Locus ID:** 10803

**UniProt ID:** [P51686](#)

**Cytogenetics:** 3p21.31

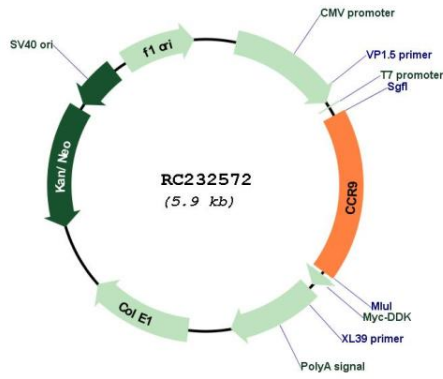
**Protein Families:** Druggable Genome, GPCR, Transmembrane

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

**MW:** 42 kDa

**Gene Summary:** The protein encoded by this gene is a G protein-coupled receptor with seven transmembrane domains that belongs to the beta chemokine receptor family. Chemokines and their receptors are key regulators of thymocyte migration and maturation in normal and inflammation conditions. This gene is differentially expressed in T lymphocytes of the small intestine and colon, and its interaction with chemokine 25 contributes to intestinal intra-epithelial lymphocyte homing to the small intestine. This suggests a role for this gene in directing immune responses to different segments of the gastrointestinal tract. This gene and its exclusive ligand, chemokine 25, are overexpressed in a variety of malignant tumors and are closely associated with tumor proliferation, apoptosis, invasion, migration and drug resistance. This gene maps to the chemokine receptor gene cluster. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2020]

Product images:



Circular map for RC232572