

Product datasheet for **SC310478**

CCR9 (NM_031200) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR9 (NM_031200) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR9
Synonyms:	CC-CKR-9; CDw199; GPR-9-6; GPR28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_031200 edited
 CTGACCCACCATGACACCCACAGACTTCACAAGCCCTATTCCTAACATGGCTGATGACTA
 TGGCTCTGAATCCACATCTTCCATGGAAGACTACGTAACTTCAACTTCACTGACTTCTA
 CTGTGAGAAAAACAATGTCAGGCAGTTTGCAGCCATTTCTCCACCCTTGTACTGGCT
 CGTGTTTCATCGTGGGTGCCTTGGGCAACAGTCTTGTTATCCTTGTCTACTGGTACTGCAC
 AAGAGTGAAGACCATGACCGACATGTTCCCTTTGAATTTGGCAATTGCTGACCTCCTCTT
 TCTTGTCACTCTCCCTTCTGGGCCATTGCTGCTGCTGACCAAGTGAAGTTCCAGACCTT
 CATGTGCAAGGTGGTCAACAGCATGTACAAGATGAACTTCTACAGCTGTGTGTTGCTGAT
 CATGTGCATCAGCGTGGACAGGTACATTGCCATTGCCAGGCCATGAGAGCACATACTTG
 GAGGGAGAAAAGGCTTTTGTACAGCAAAATGGTTTGTCTTACCATCTGGGTATTGGCAGC
 TGCTCTCTGCATCCAGAAATCTTATACAGCCAAATCAAGGAGGAATCCGGCATTGCTAT
 CTGACCATGGTTTACCCTAGCGATGAGAGCACAAACTGAAAGTCAGCTGTCTTGACCCT
 GAAGGTCAATTCTGGGGTTCTTCCCTTCCCTTCGTGGTCATGGCTTGTCTATACCATCAT
 CATTACACCCCTGATACAAGCCAAGAAGTCTTCCAAGCACAAAGCCCTAAAAGTGACCAT
 CACTGTCTGACCGTCTTTGTCTGTCTCAGTTTCCCTACAACCTGATTTTGTGGTGGCA
 GACCATGACGCCTATGCCATGTTTCATCTCCAACCTGTGCCGTTTCCACCAACATTGACAT
 CTGCTTCCAGGTCACCCAGACCATCGCCTTCTTCCACAGTTGCCTGAACCCTGTTCTCTA
 TGTTTTTGTGGGTGAGAGATTCCGCCGGATCTCGTGAACCCCTGAAGAAGTTGGGTTG
 CATCAGCCAGGCCAGTGGGTTTCATTTACAAGGAGAGAGGAAGCTTGAAGCTGTGCTC
 TATGTTGCTGGAGACAACCTCAGGAGCACTCTCCCTCTGAGGGGTCTTCTCTGAGGT



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031200 unedited</p> <pre> NNNGTTCAAATTTGTATACGACTCACTATAGGCGGCCCGCCAGTGTGATGGATATCTGCAG AATTTCGGCTTGATCCTGACCCACCATGACCCACANACTTCACAAGCCCTATTCCTAAC ATGGCTGATGACTATGGCTCTGAATCCACATCTCCATGGAAGACTACGTTAACTTCAAC TTCCTGACTTCTACTGTGAGAAAAACAATGTCAGGCAGTTTTCGAGCCATTTCCCTCCA CCCTTGTACTGGCTCGTGTTCATCGTGGTGCCTTGGGCAACAGTCTTGTATCCTTGTGTC TACTGGTACTGCACAAGAGTGAAGACCATGACCGACATGTTCTTTTGAATTTGGCAATT GCTGACCTCCTCTTTCTTGTCACTCTTCCCTTCTGGGCCATTGCTGCTGCTGACCAAGTGG AAGTTCAGACCTTCATGTGCAAGGTGGTCAACAGCATGTACAAGATGAACCTTCTACAGC TGTGTGTGCTGATCATGTGCATCAGCGTGGACAGGTACATTGCCATTGCCAGGCCATG AGAGCACATACTTGGAGGGAGAAAAGGCTTTTGTACAGCAAAAATGGTTTGTCTTACCATC TGGGTATTGGCAGCTGCTCTCTGCATCCCAGAAATCTTATACAGCCAAATCAAGGAGGAA TCCGGCATTGCTATCTGCACCATGGTTTACCCTAGCGATGAGAGCACAAACTGAAGTCA GCTGTCTTGACNCTGAANGTCATTCTGGGGTTCTTCTTCCCTTCGTGGTTCATGGCTTG CTGCTATACCATCATCATTACACCCCTGATACAGCCCAAGAAGTCTCAAGCACAAACCC TAAAGTGACCTCACTGTCTGACCGGCTTGTCTTGCCTCAGTTTCTACTACTGCTTTTGT GTGGGTGCAAACATTGACGCCTATGCATGTTTCATCTCC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_031200 unedited</p> <pre> GNGANGAGCACTGGGNGGGGTACAGGGATGCCACCCGGGCACTGTTTCAGGAAACAGCT ATGACCGCGCCCAATCTAGAGTCGACAAGCTTGATATCGGTACCGAGCTCGGATCCAC TAGTAACGGCCCGCAGTGTGCTGGAATTCGGCTTACCTCAGAGAAGACCCCTCAGAGGGA GAGTGCTCCTGAGTTGTCTCCAGCAACATAGACGACAGCTTCAAGCTTCCCTCTCTCCT TGTAATGAAACCCACTGGGCTGGCTGATGCAACCCAAGTTCTTCAGGGTTTTACAGAG ATCCCGCGGAATCTCTACCCACAAAAACATAGAGAACAGGGTTCAGGCAACTGTGAA GAAGGCGATGGTCTGGGTGACCTGGAAGCAGATGTCAATGTTGGTGGAAACGGCACAGTT GGAGATGAAACATGGCATAGGCGTCAATGGTCTGCACCAACAAAATGCAGTTGTAGGGAAA CTGAGACAAGACAAGACGGTCAAGGACAGTGTGGTCACTTTTAGGGCTTTGTGCTTGG AGACTTCTTGGCTTGTATCAGGGTGTGAATGATGATGGTATAGCAGCAAGCCATGACCAC GAAGGGAAGGAAGAACCCAGAATGACCTTCAAGGTCAGGACAGTCACTTCAAGTTTGGT GCTCTCATCGCTAGGGTAAACCATGGTGCAGATAGCAATGCCGGATTCCCTTGTATTTG GCTGTATAAGATTTCTGGGATGCAGAGAGCAGCTGCCAATACCCAGATGGTAAAGCAAAC CATTTTGTGTACAAAAGCCTTTTCTCCCTCCAGTATGTGCTCTCATGGCCGGGCCATG GCAATGTACTGTCCACGGC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_031200
OTI Disclaimer:	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).
OTI Annotation:	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.
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_031200.1 , NP_112477.1
RefSeq Size:	2544 bp
RefSeq ORF:	1110 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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (A) encodes the longer isoform (A).</p>