

Product datasheet for RC215427

CCR8 (NM_005201) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR8 (NM_005201) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCR8
Synonyms:	CC-CKR-8; CCR-8; CDw198; CKRL1; CMKBR8; CMKBRL2; CY6; GPRCY6; TER1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215427 representing NM_005201 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTACACTTGACCTCAGTGTGACAACAGTGACCGACTACTACTACCTGATATCTTCTCAAGCC
CCTGTGATGCGGAACATTATTCAGACAAATGGCAAGTTGCTCCTTGCTGTCTTTTATTGCCTCCTGTTTGT
ATTCAGTCTTCTGGGAAACAGCCTGGTCATCCTGGTCCTTGTGGTCTGCAAGAAGCTGAGGAGCATCACA
GATGTATACCTCTTGAACCTGGCCCTGTCTGACCTGCTTTTTGTCTTCTCCTTCCCCTTTCAGACCTACT
ATCTGCTGGACAGTGGGTGTTTGGGACTGTAATGTGCAAAGTGGTGTCTGGCTTTTATTACATTGGCTT
CTACAGCAGCATGTTTTTCATCACCTCATGAGTGTGGACAGGTACCTGGCTGTTGTCCATGCCGTGAT
GCCCTAAAGGTGAGGACGATCAGGATGGGCACAACGCTGTGCCTGGCAGTATGGCTAACCCATTATGG
CTACCATCCCATTGCTAGTGTTTTACCAAGTGGCCTCTGAAGATGGTGTCTACAGTGTATTATTATTTA
CAATCAACAGACTTTGAAGTGAAGATCTTACCAACTTCAAAATGAACATTTTAGGCTTGTGATCCCA
TTCACCATCTTTATGTTCTGCTACATTAATAATCCTGCACCAGCTGAAGAGGTGTCAAAACCAACAAGA
CCAAGGCCATCAGGTTGGTGCTCATTGTGGTCAATGCATCTTTACTTTTCTGGGTCCCATTCAACGTGGT
TCTTTTCTCACTTCTTGCACAGTATGCACATCTTGGATGGATGTAGCATAAGCCAACAGCTGACTTAT
GCCACCATGTACAGAAATCATTCTTTACTCACTGCTGTGTAACCCGTTATCTATGCTTTTGTG
GGGAGAAGTTCAAGAAACACCTCTCAGAAATATTTAGAAAAGTTGCAGCCAAATCTTCAACTACCTAGG
AAGACAAATGCCTAGGGAGAGCTGTGAAAAGTCATCATCCTGCCAGCAGCACTCCTCCCGTTCTCCAGC
GTAGACTACATTTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC215427 representing NM_005201
Red=Cloning site Green=Tags(s)

MDYTLDL SVTTVTDY YYPDI FSSPCDAEL IQTNGKLL LAVFYCLLFVFSLLGNSLVILVLV VCKKLR SIT
 DVYLLNLALSDLLFVFSFPFQTYLLDQWVFGTVMCKVVS GFYYIGFYSSMFFITLMSVDRYLA VVHAVY
 ALKVRTIRM GTTLC LAVWLTAIMATIPLL VFYQVASEDGLVQCYSFYNQTLKWKIFTNFKMNILG LLIP
 FTIFMFCYIKILHQLKRCQNHNKTKAIRLV LIVVIASLLFVWPFNVVFLFTSLHSMHILDGCSISQQLTY
 ATHVTEIISFTHCCVNPVIYAFVGEKFKKHLSEIFQKSCSQIFNYLGRQMPRESCEKSSSCQQHSSRSSS
 VDYIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6110_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005201

ORF Size: 1065 bp

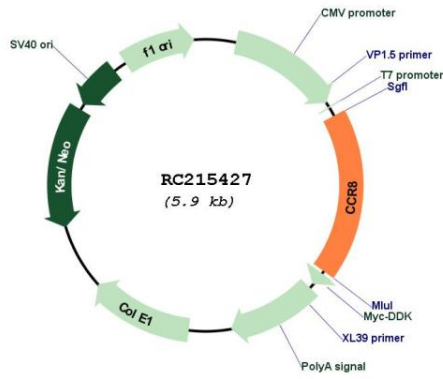
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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).

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_005201.4
RefSeq Size:	2370 bp
RefSeq ORF:	1068 bp
Locus ID:	1237
UniProt ID:	P51685
Cytogenetics:	3p22.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
MW:	40.7 kDa
Gene Summary:	<p>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. Chemokines and their receptors are important for the migration of various cell types into the inflammatory sites. This receptor protein preferentially expresses in the thymus. I-309, thymus activation-regulated cytokine (TARC) and macrophage inflammatory protein-1 beta (MIP-1 beta) have been identified as ligands of this receptor. Studies of this receptor and its ligands suggested its role in regulation of monocyte chemotaxis and thymic cell apoptosis. More specifically, this receptor may contribute to the proper positioning of activated T cells within the antigenic challenge sites and specialized areas of lymphoid tissues. This gene is located at the chemokine receptor gene cluster region. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC215427