*ca*CCR5 VersaClone cDNA

Catalog Number: RDC1014

Specifications:

Gene:	*ca*CCR5
Accession:	NP_001012342
Insert size:	1071bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

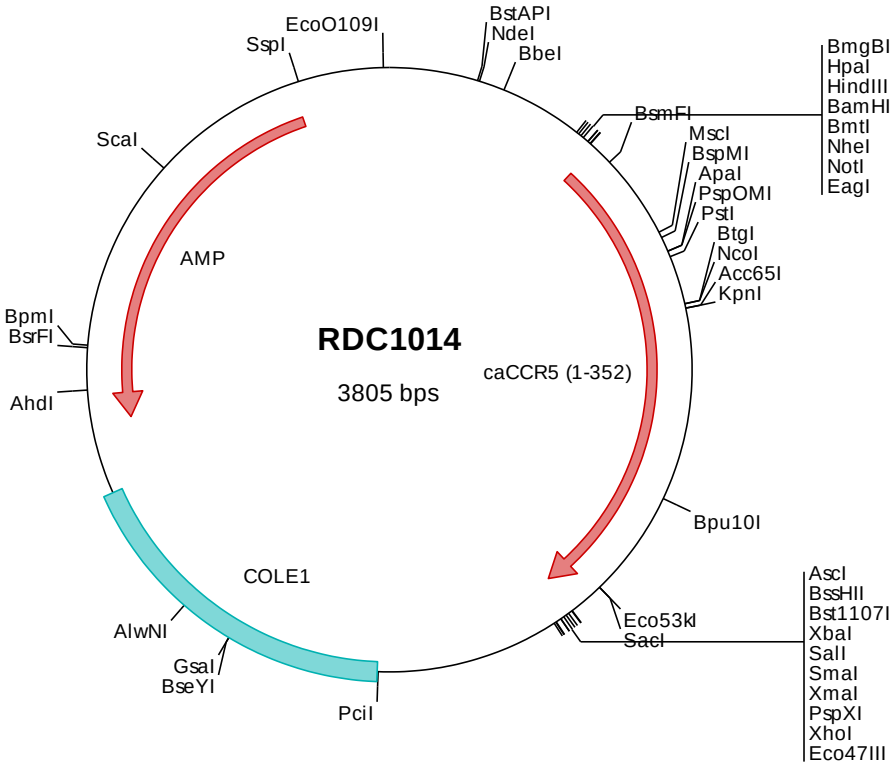
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*ca*CCR5 cDNA Plasmid

CCR5 chemokine (C-C motif) receptor 5 [*Canis lupus familiaris* (dog)]

Also known as: GPCR

Summary:
CCR5 is a G protein-linked seven transmembrane domain spanning chemokine receptor that binds MIP1α, and MIP1β and RANTES. CCR5 transduces a signal by increasing the intracellular calcium ion level. It interacts with PRAF2. Efficient ligand binding to CCL3/MIP-1alpha and CCL4/MIP-1beta requires sulfation, O-glycosylation, and sialic acid modifications. CCR5 may play a role in the control of granulocytic lineage proliferation or differentiation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1014 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgaattatc aaacatccac tccatactat gacattgatt atgggacgtc
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 601  gtcgtcctca tcctcataga ctgcaaaaag ctgaagagca tgactgatat ctacttgctc aatttggcca tctcggacct gctcttcctt ctcactatcc
 701  cgttctgggc ccactacgct gcagaccagt ggacctttgg aaataagatg tgccaacttt tgacagggct ctattatata ggcttcttca ctggaaactt
 801  cttcatcatc ctccttacca tggataggta cctggctatc gtccatgctg tgtctgcttc aaaagcccgg acagtcacct ttggggtggt gacaagtggg
 901  atcgcctggg tggtggccgt gctcgcctct ttcccaagga tcatcttcac cagatcccaa aaagagggtt ctcgttttac atgcagccca catttcccac
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1601  tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat
1701  tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg
1801  cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag
1901  aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg
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2901  ggctccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca gaagtggtcc tgcaacttta tccgcctcca tccagtctat taattgttgc
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> RDC1014 Translated Insert Sequence

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