*m*CCR5 VersaClone cDNA

Catalog Number: RDC1132

Specifications:

Gene:	*m*CCR5
Accession:	NP_034047
Insert size:	1078bp
Package size:	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

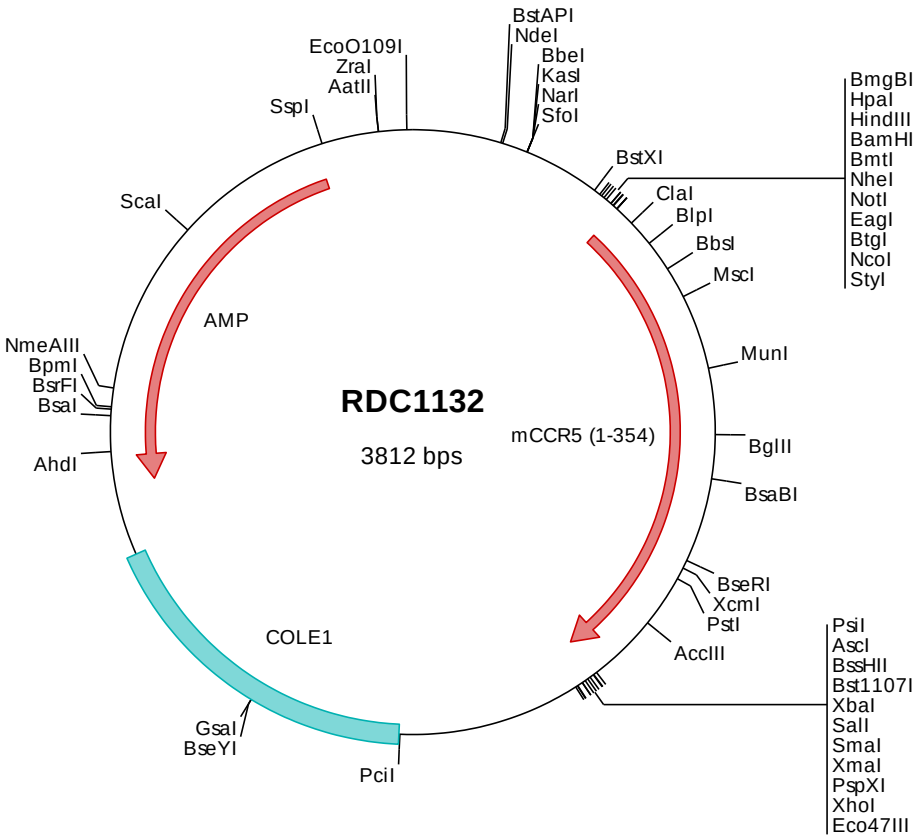
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*CCR5 cDNA Plasmid

Ccr5 chemokine (C-C motif) receptor 5 [*Mus musculus*]

Also known as: AM4-7; CD195; Cmkbr5

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 and binds to CCL3/MIP-1α and CCL4/MIP-1β. Binding requires sulfation, O-glycosylation and sialic acid modifications. It may play a role in the control of granulocytic lineage proliferation or differentiation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1132 Plasmid DNA Sequence

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 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 atggattttc aagggtcagt tccgacctat agctatgaca tcgattatgg
 501  tatgtcagca ccctgccaaa aaatcaatgt gaaacaaatt gcggctcagc tcctgccccc actctactcc ctggtattca tctttggttt tgtgggtaac
 601  atgatggtct tcctcatctt gataagctgc aaaaagctga agagcgtgac tgatatctac ctgctcaacc tggccatctc tgacctgctc ttcctgctca
 701  cactaccatt ctgggctcac tatgctgcaa atgagtgggt ctttgggaac ataatgtgta aagtattcac agggctctat cacattggtt attttggtgg
 801  aatcttcttc attatcctcc tgacaattga taggtacttg gctattgtcc atgctgtgtt tgctttaaaa gtcagaacgg tcaactttgg ggtgataaca
 901  agtgtagtca cttgggcggt ggctgtgttt gcctctctcc cagaaataat ctttaccaga tctcagaaag aaggttttca ttatacatgc agtcctcatt
1001  ttccacacac tcagtatcat ttctggaaga gtttccaaac attaaagatg gtcatcttga gcctgatcct gcctctactt gtcatggtca tctgctactc
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1201  actccctaca acattgtcct cctcctgacc accttccagg aattctttgg actgaataac tgcagtagtt ctaatagact agaccaggcc atgcaggcaa
1301  cagagactct tggaatgaca cactgctgcc taaaccctgt catctatgcc tttgttggag agaagttccg gagttatctc tcagtgttct tccgaaaaca
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1701  cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc attaatgaat cggccaacgc gcggggagag gcggtttgcg
1801  tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta
1901  tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata
2001  ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag
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2201  aggtatctca gttcggtgta ggtcgttcgc tccaagctgg gctgtgtgca cgaaccccc gttcagcccg accgctgcgc cttatccggt aactatcgtc
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2501  tccggcaaac aaaccaccgc tggtagcggt ggttttttg tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt
2601  ctacggggtc tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa
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2801  cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac
2901  gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa
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3501  actgatcttc agcatctttt actttcacca gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataagggcga cacggaaatg
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3701  caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga
3801  ggccctttcg tc
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> RDC1132 Translated Insert Sequence

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 201  vilslilpll vmvicysgil htlfrcrnek krhravrlif aimivyflfw tpynivlllt tfqeffglnn csssnrldqa mqatetlgmt hcclnpviya
 301  fvgekfrsyl svffrkhmvk rfckrcsifq qdnpdrassv ytrstgehev stgl
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