*m*XCR1 VersaClone cDNA

Catalog Number: RDC0045

Specifications:

Gene:	*m*XCR1
Accession:	Q9R0M1
Insert size:	981bp
Package size:	10µg at 0.2µg/µL

*m*XCR1 cDNA Plasmid

Xcr1 chemokine (C motif) receptor 1 [*Mus musculus*]

Also known as: Gpr5; mXcr1; Ccxcr1

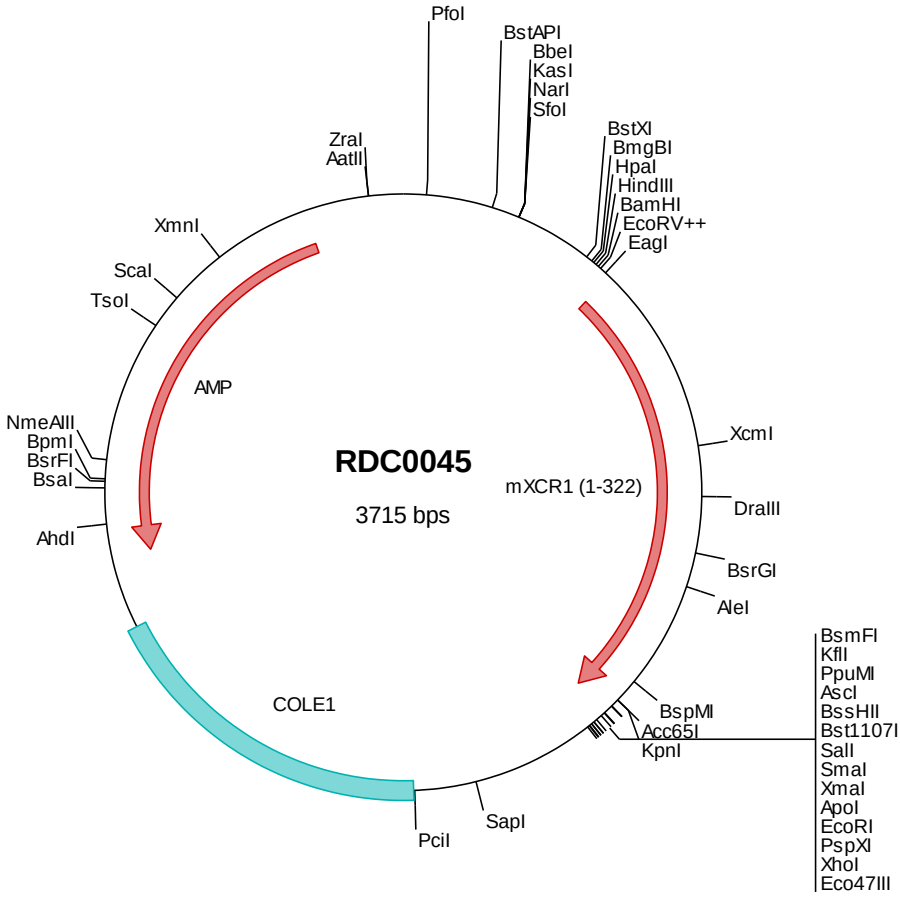
Summary:
XCR1 is a G protein-linked seven transmembrane domain spanning chemokine receptor that binds XCL1 (otherwise referred to as ATAC, lymphotactin, or SCM-1). It is most closely related to RBS11 and the MIP1-α/RANTES receptor. The viral macrophage inflammatory protein-II is an antagonist of this receptor and blocks signaling. NK cells constitutively express XCL1 and contribute to serum levels. NK and CD8(+) T-cells increase XCL1 production upon activation. XCR1 is an integral component in the development of efficient cytotoxic immunity in vivo.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0045 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 atggagtcct ctacagcctt ttatgattat catgataaat tgagtcttct
 501  atgtgagaac aatgtcatct tcttttccac catctctacc attgtcctgt actctctggt atttctcctc agccttgtgg gtaacagcct ggttttgtgg
 601  gtcttggtga agtatgagaa tctagagtca ctcaccaata tcttcatcct caacctgtgt ctctcagacc tgatgttctc ctgtctactg cctgtgttga
 701  tctcagcaca atggagttgg tttctaggtg acttcttctg caagttcttc aacatgatct tcggcatcag cctctacagc agcatcttct tccttaccat
 801  catgaccatc caccgatacc tgtctgtagt gagccccatc tctactctgg gtatccatac cctccgctgc cgtgtgctgg tgacatcatg tgtgtgggca
 901  gccagcatcc tgttctccat ccctgatgct gtcttccaca aagtgatctc cttaaattgt aaatattctg aacatcatgg gttcttggcc tcagtctacc
1001  agcacaacat cttcttcctc ctctccatgg gaatcatcct attctgttat gtacagattc tcaggacttt gtttcgcaca aggtccagac agagacaccg
1101  aacagtcagg ctcatcttca ccgtcgtggt agcatacttc ctcagctggg ctccctacaa cctcacactc ttcctgaaaa ctggaatcat ccagcagagc
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1301  tcaagttccg cagacaccta aaacatctct tccagcaggt ctggctgtgc cggaagacat ccagcactgt tccctgctcc cctggtacct ttacatatga
1401  gggaccctcc ttctactgag gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag
1501  ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac
1601  tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt
1701  gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg
1801  ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc
1901  ataggctccg ccccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccctgg
2001  aagctccctc gtgcgctctc ctgttccgac cctgccgctt accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc
2101  tgtaggtatc tcagttcggt gtaggtcgtt cgctccaagc tgggctgtgt gcacgaaccc cccgttcagc ccgaccgctg cgccttatcc ggtaactatc
2201  gtcttgagtc caacccggta agacacgact tatcgccact ggcagcagcc actggtaaca ggattagcag agcgaggtat gtaggcggtg ctacagagtt
2301  cttgaagtgg tggcctaact acggctacac tagaaggaca gtatttggta tctgcgctct gctgaagcca gttaccttcg gaaaaagagt tggtagctct
2401  tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct
2501  tttctacggg gtctgacgct cagtggaacg aaaactcacg ttaagggatt ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta
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2801  cacgctcacc ggctccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca gaagtggtcc tgcaacttta tccgcctcca tccagtctat
2901  taattgttgc cgggaagcta gagtaagtag ttcgccagtt aatagtttgc gcaacgttgt tgccattgct acaggcatcg tggtgtcacg ctcgtcgttt
3001  ggtatggctt cattcagctc cggttcccaa cgatcaaggc gagttacatg atcccccatg ttgtgcaaaa aagcggttag ctccttcggt cctccgatcg
3101  ttgtcagaag taagttggcc gcagtgttat cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct tttctgtgac
3201  tggtgagtac tcaaccaagt cattctgaga atagtgtatg cggcgaccga gttgctcttg cccggcgtca atacgggata ataccgcgcc acatagcaga
3301  actttaaaag tgctcatcat tggaaaacgt tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac
3401  ccaactgatc ttcagcatct tttactttca ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa
3501  atgttgaata ctcatactct tccttttca atattattga agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat
3601  aaacaaatag gggttccgcg cacatttccc cgaaaagtgc cacctgacgt ctaagaaacc attattatca tgacattaac ctataaaaat aggcgtatca
3701  cgaggccctt tcgtc
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> RDC0045 Translated Insert Sequence

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  1  messtafydy hdklsllcen nviffstist ivlyslvfll slvgnslvlw vlvkyenles ltnifilnlc lsdlmfscll pvlisaqwsw flgdffckff
101  nmifgislys siffltimti hrylsvvspi stlgihtlrc rvlvtscvwa asilfsipda vfhkvislnc kysehhgfla svyqhniffl lsmgiilfcy
201  vqilrtlfrt rsrqrhrtvr liftvvvayf lswapynltl flktgiiqqs ceslqqldia miicrhlafs hccfnpvlyv fvgikfrrhl khlfqqvwlc
301  rktsstvpcs pgtftyegps fy
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