

## Specifications:

Gene:	hCX3CR1
Accession:	NP_001328
Insert size:	1080bp
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.

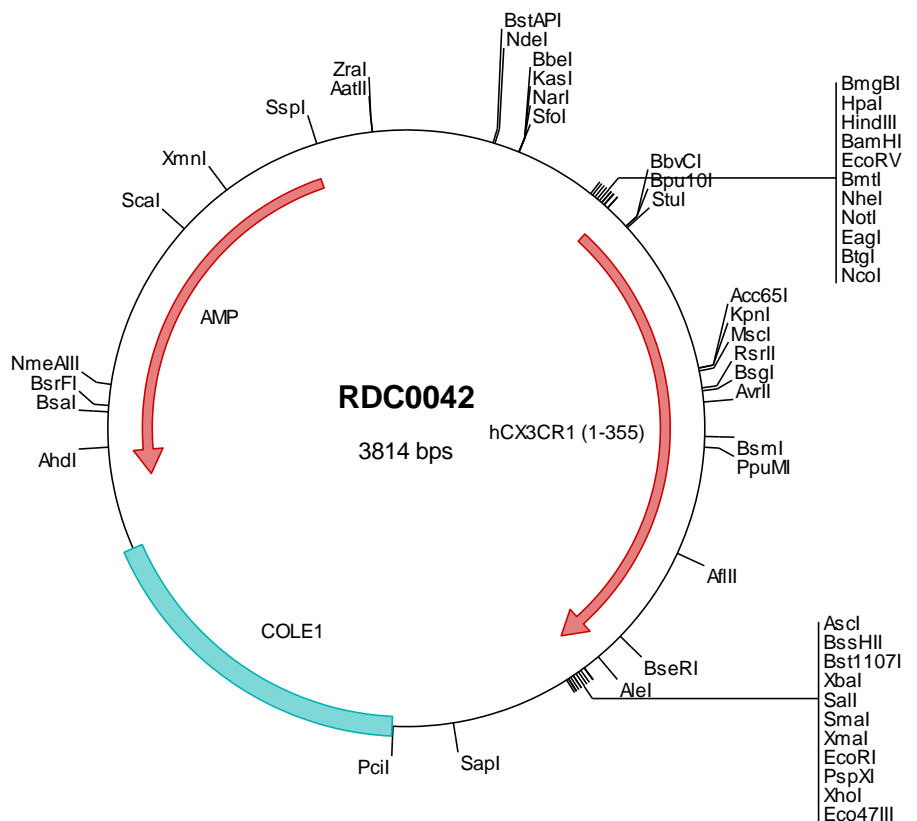
## hCX3CR1 cDNA Plasmid

### CX3CR1 chemokine (C-X3-C motif) receptor 1 [ *Homo sapiens* ]

**Also known as:** V28; CCRL1; GPR13; CMKDR1; GPRV28; CMKBRL1

### Summary:

CX3CR1 is a G protein-linked seven transmembrane domain spanning chemokine receptor that binds fractalkine. It is expressed on several T-cell subsets, monocytes, macrophages, microglia, and epithelial cells. CX3CR1 promotes inflammatory responses by inducing monocyte adhesion to endothelial cells and macrophage activation. CX3CR1 polymorphisms are associated with the development of chronic inflammatory disorders. This 355aa isoform b is encoded by three of the four transcripts and is the shorter of the two isoforms. Some variations in this gene lead to increased susceptibility to HIV-1 infection and rapid progression to AIDS.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0042 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggta cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taacgcaact ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgcccgggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggaatccgata tcgctagcgc gggcgcacc atggatcagt tccctgaato agtgacagaa aactttgagt acgatgattt
501 ggctgaggcc tgttataatg gggacatcgt ggtctttggg actgtgttcc tgtccatatt ctactcogtc atctttgcca ttggcctggt gggaaaattg
601 ttggtagtgt ttgcoctcac caacagcaag aagcccaaga gtgtcacoga catttaocte ctgaacctgg ccttgtctga tctgtgttt gtgacctt
701 tgccctcttg gactcaactat ttgataaatg aaaaggcct ccacaatgcc atgtgcaaat tcaactaccg cttctcttc atcgctttt ttggaagcat
801 attcttcaat accgtcaatc gcaattgatg gtaacctggc atogtctgg ccgccaaact catgaacaac cggaccgtgc agcatgggt caccatcagc
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1501 gcattgctcc ttctctgagg cgcgccagta tactctagag tcgacacccc ggaattcct cgagcgtctg tctctagctt ggcgtaatca tggctatagc
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1801 cgtattgggc gctcttcgct ttctcgtctc actgactcgc tgcgctcgtt cgttccgctg cggcagcgg tatcagctca ctcaaaaggc gtaatcaggt
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2001 taggctccgc cccctgacg agcatcacia aaatcgacgc tcaagtcaaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt tccccctgga
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2401 ttgaagtggt ggctaacta cggctacact agaaggaacg tatttggat ctgcgctctg ctgaagccag ttacctcgg aaaaagagtt ggtagctctt
2501 gatccggcaa acaaacacc gctggttagc gtgtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc ctttgcattt
2601 ttctacgggg tctgacgctc agtggaaacga aaactcacgt taagggattt tggctatgag attatcaaaa aggatcttca cctagatcct tttaaattaa
2701 aaatgaagtt ttaaatcaat ctaaagtata tatagtaaaa cttggtctga cagttaccaa tgcctaatca gtgaggaacc tatctcagc atctgtctat
2801 ttcgttcac catagttgcc tgactccccg tctgttagat aactacgata cgggagggtt taccatctgg cccagtgct gcaatgatac cgcgagacc
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3501 caactgatct tcagcatctt ttactttcac cagcgtttct gggtagcaaa aaacaggaag gcaaaaatgcc gcaaaaaagg gaataagggc gacacggaaa
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3701 aacaaatagg ggttccgccc acatttcccc gaaaagtgcc acctgacgct taagaaacca ttattatcat gacattaacc tataaaaaata ggctatcac
3801 gaggccctt cgtc

> RDC0042 Translated Insert Sequence

1 mdqfpevste nfeyddlaea cyigidvfvf tvflsifysv ifaiglvgnl lvvfaltnsk kpksvtdiyl lnllalsdllf vatlpfwthy linekglhna
101 mckfttafff igffgsiffi tvisidryla ivlaansmnn rtvqhgvttis lgvwaaailv aapqfmftkq keneclgdyp evlqeiwplv rnvetnflgf
201 llpllimsyc yfiriqtlfs cknhkkakai klillvvivf flfwtpynvm ifletlklzyd ffpscdmrkd lrlalsvtet vafshcclnp liyafagekf
301 rrylyhlygk clavlcgrsv hvdfsssesq rsrhgsvlss nftyhtsdgd allll