

Specifications:

Gene:	mCX3CR1
Accession:	NP_034117
Insert size:	1078bp
Package size:	10µg at 0.2µg/µL

mCX3CR1 cDNA Plasmid

Cx3cr1 chemokine (C-X3-C) receptor 1 [*Mus musculus*]

Also known as: fractalkine receptor,;GPCR13; V28

Summary:

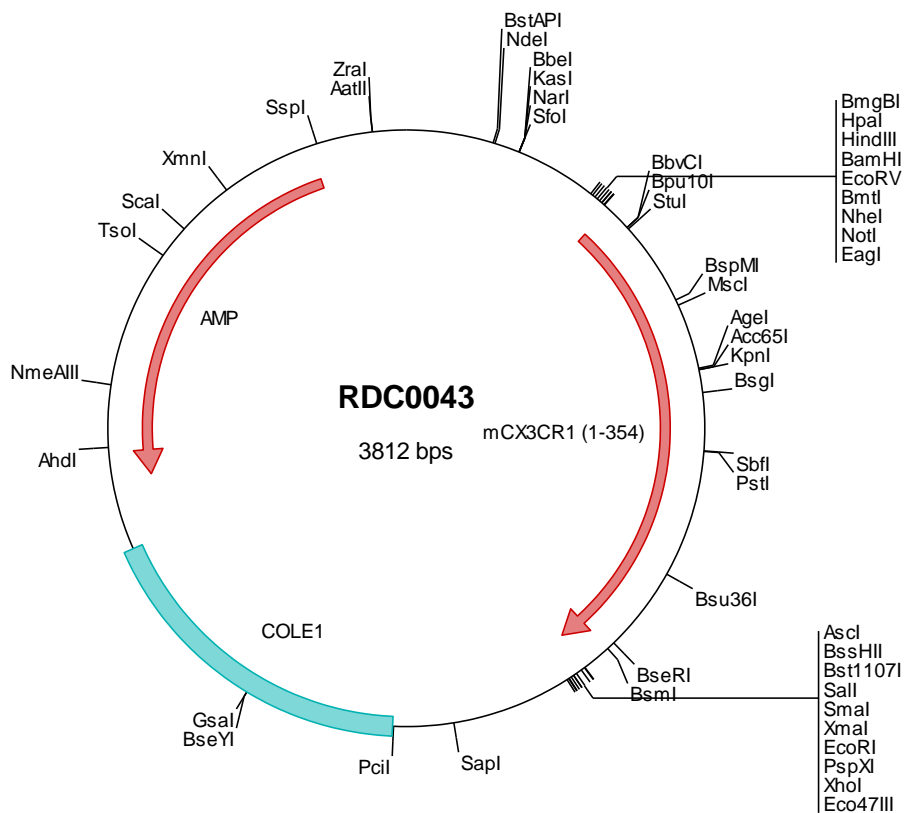
CX3CR1 is a G protein-linked seven transmembrane domain spanning chemokine receptor that binds fractalkine. It is expressed on astrocytes, microglia, macrophages, Th1 and Tc1 T-cells, NK cells, smooth muscle and mast cells. CX3CR1 mediates adhesion to fractalkine, promotes avid binding of integrins to their ligands, and extends the life of monocytes. CX3CR1 deficiency also affects motor learning.

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



> RDC0043 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 ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggaatgtctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgcacc atgtccacct ccttccctga actggateta gagaattttg agtatgacga
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601 ctgttgggtg tcctogctct caccacacgc cggaaagcca agagcatcac tgacatctac ctctgaacc tggccttgag gcaactgctc tttgtggcca
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2401 gaagtgggtg ctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt accttcgaa aaagagtttg tagctctga
2501 tccggcaaac aaaccaccgc tggtagcggg ggtttttttg tttgcaagca gcagattacg cgcagaaaa aaggatctca agaagatcct ttgatcttt
2601 ctacggggtc tgacgctcag tggaaagaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttacc tagatccttt taaattaaaa
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3701 caaatagggg ttcgcgcac atttccccga aaagtgccac ctgacgtcta agaaccatt attatcatga cattaacctata taaaaatagg cgtatcacga
3801 ggcccttctg tc

> RDC0043 Translated Insert Sequence

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201 falpllimsf cyfriiqlf scnrkkara vrlillvffa fflfwtpyni mifletlkfy nffpscdmkr dlrlalsvte tvafshccln pfiyafagek
301 frrylghlyr kclavlcghp vhtgfspesq rsrqdsilss fthytsegdg slll