

Specifications:

Gene:	mCXCR7
Accession:	NP_031748
Insert size:	1101bp
Package size:	10µg at 0.2µg/µL

mCXCR7 cDNA Plasmid

**Cxcr7 chemokine (C-X-C motif)
receptor 7 [*Mus musculus*]**

Also known as: Rdc1; Cmkor1;
AW541270

Summary:

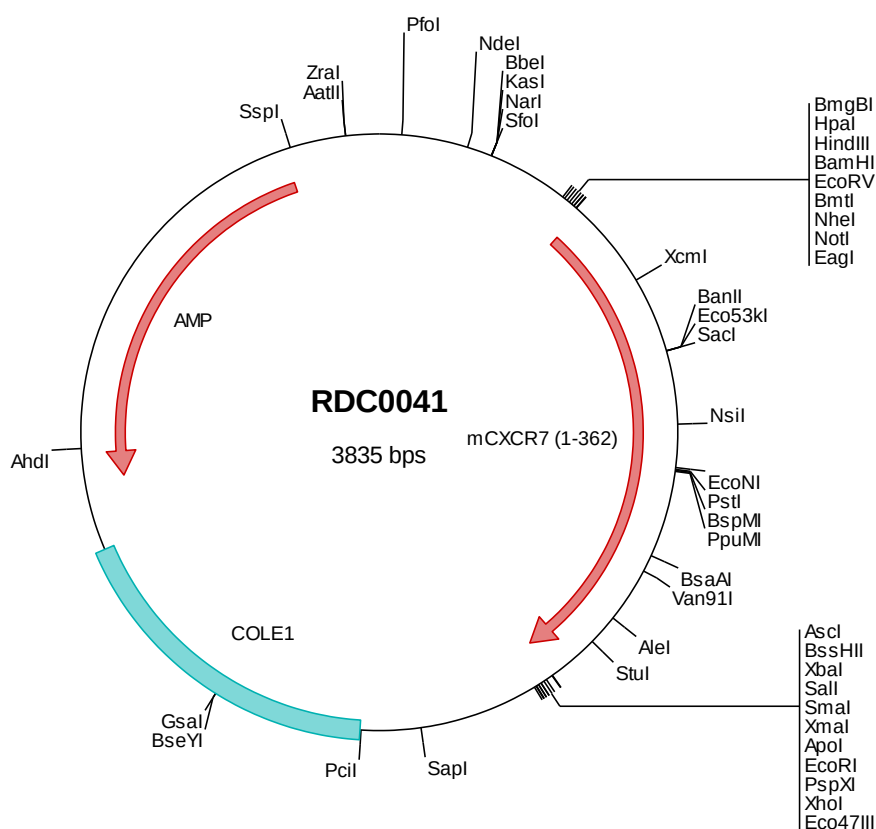
CXCR7 is a G protein-linked seven transmembrane domain spanning chemokine receptor that binds CXCL11 and CXCL12 (SDF-1a), and appears to involve β -arrestin 2 during signaling. CXCR7, which scavenges CXCL12, is essential for leukocyte entry via endothelial barriers into the central nervous system (CNS) parenchyma during experimental autoimmune encephalomyelitis (EAE), a model for MS. CXCR7, which cannot signal directly through G protein-linked pathways, can nevertheless affect cellular signaling networks by forming a heteromeric complex with CXCR4.

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.





> RDC0041 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaagtgtct caaggcgatt aagtgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcaccc atggatgtgc acttgtttga ctatgcagag cctggcaact actctgacat
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> RDC0041 Translated Insert Sequence

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201  pehsikewli gmelvsvilg favpftiaai fyfillarams asgdqekhss rkiifsyvvv flvcwlpvfh vllldifsil hyipftcqlc nvlftalhvt
301  qclslvhccv npvlysfmr nryryelmkaf ifkysaktgl tkldasrvs eteysaleqn tk
```