*ca*CXCR4 VersaClone cDNA

Catalog Number: RDC1066

Specifications:

Gene:	*ca*CXCR4
Accession:	NP_001041491
Insert size:	1075bp
Concentration:	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.

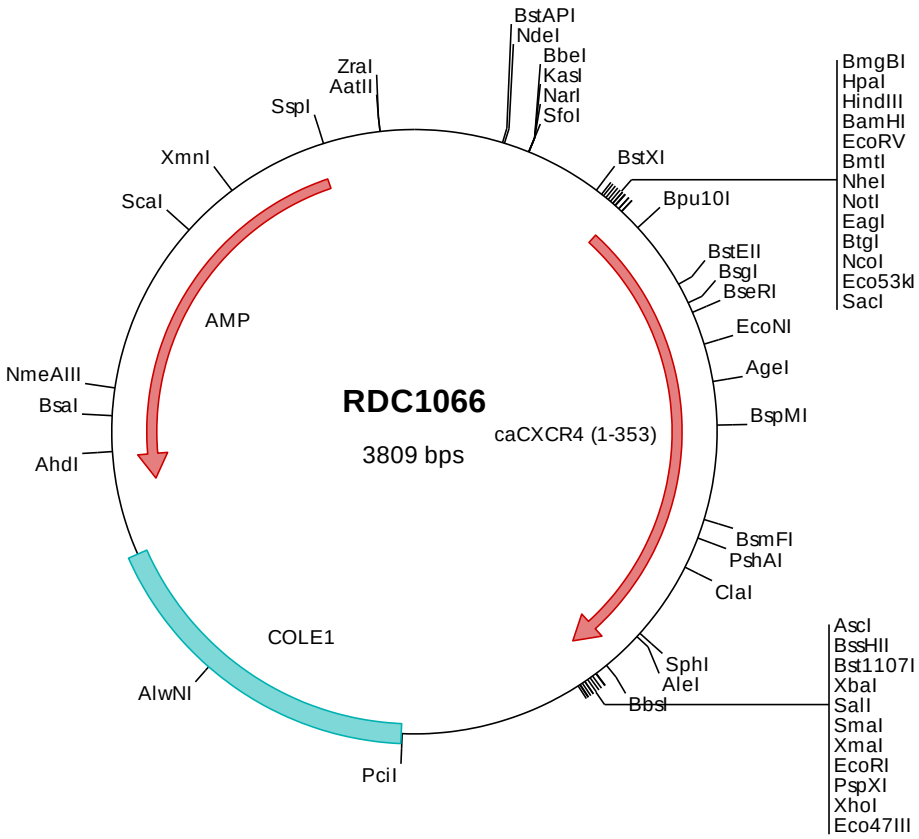
Preparation and Storage

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.

*ca*CXCR4 cDNA Plasmid

CXCR4 chemokine (C-X-C motif) receptor 4 [*Canis lupus familiaris* (dog)]

Summary:
CXCR4 is a G protein-linked seven transmembrane domain spanning chemokine receptor that binds CXCL12 (SDF-1). It acts as a co-factor for T-cell tropic HIV-1 and -2 viral entry into cells and has physiological roles that include regulating lymphocyte trafficking in secondary lymphoid organs.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1066 Plasmid DNA Sequence

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 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
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 701  cagacctcct ctttgtcctc acacttccct tctgggcagt tgaggctgtg gcaaactggt acttcgggaa tttcctgtgc aaggcggtcc atgtcatcta
 801  tactgtcaac ctctatagca gtgtcctcat cctggccttc atcagtctgg accggtactt ggctattgtc catgccacca acagtcagag gccaaggaag
 901  ctgttggcgg aaaaggtggt ctacgttggc gtctggatac ctgctctcct gttgactatt cccgatttca tctttgccaa tgtcagggag gcagatgaca
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1601  cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat
1701  taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat
1801  tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat acggttatcc
1901  acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc
2001  tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag gcgtttcccc ctggaagctc
2101  cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg cctttctccc ttcgggaagc gtggcgcttt ctcaatgctc acgctgtagg
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2401  gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa gagttggtag ctcttgatcc
2501  ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga agatcctttg atcttttcta
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2901  caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagtg gtcctgcaac tttatccgcc tccatccagt ctattaattg
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3701  atagggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacgaggc
3801  cctttcgtc
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> RDC1066 Translated Insert Sequence

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 101  anwyfgnflc kavhviytvn lyssvlilaf isldrylaiv hatnsqrprk llaekvvyvg vwipalllti pdfifanvre addryicdrf ypndswlvvf
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