*r*CXCR1/IL-8RA VersaClone cDNA

Catalog Number: RDC0241

Specifications:

Gene:	*r*CXCR1
Accession:	NP_062183
Insert size:	1062bp
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

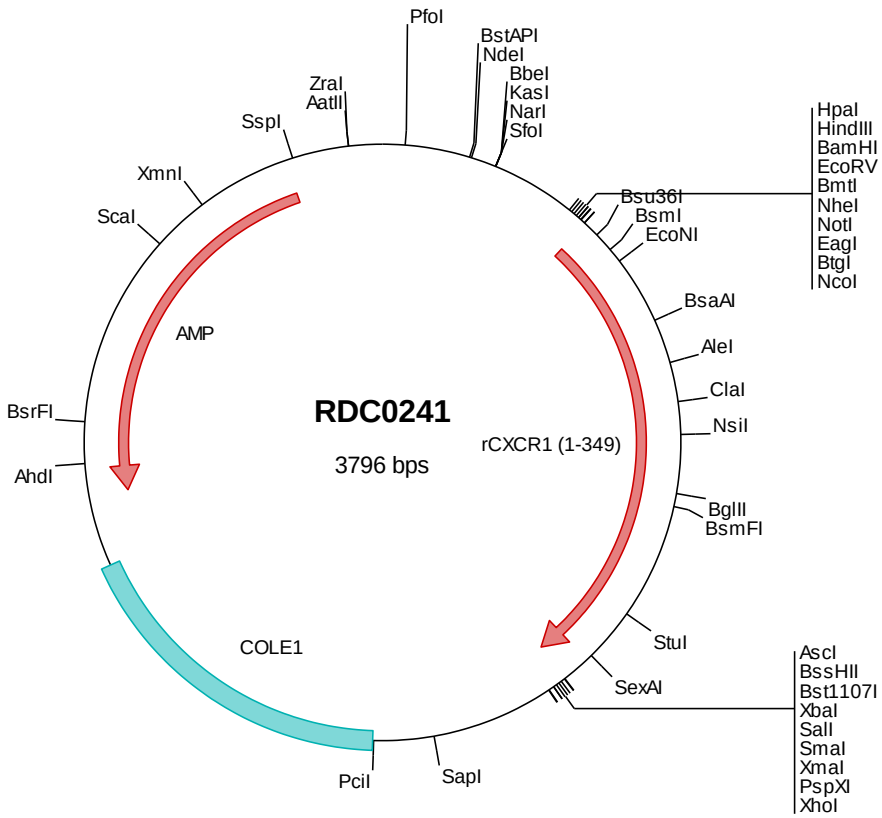
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*r*CXCR1/IL-8RA cDNA Plasmid

Cxcr1 chemokine (C-X-C motif) receptor 1 [*Rattus norvegicus*]

Also known as: Il8ra

Summary:
The C-X-C chemokine IL-8 is a potent neutrophil chemotactic and activating factor. Two distinct G protein-linked cell surface receptors, known as IL-8 RA (type I or CXCR1) and IL-8 RB (type II or CXCR2), can interact with the IL-8 molecule. CXCR1 binds to IL8 with high affinity, and transduces the signal through a G protein activated second messenger system. CXCR1 expression has been documented on neutrophils, monocytes, and a small population of T cells. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0241 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
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggccgagg ctgagtattt catctggatt gctcctgagg gtgactttga
 501  ggaagaattt ggaaatatca cccgaatgct gcccactgga gagtatttca gcccctgtaa gagggttcca atgaccaaca ggcaggctgt agttgtcttc
 601  tatgcactgg tgttccttct tagcttgctg ggaaactcgc tggtgatgct ggtcatctta tacaggcgaa ggacccgatc cgtcaccgat gtctacgtgc
 701  tgaacctagc cattgctgat ctactctttt cattgactct gcccttcttg gctgtctcca aatggaaggg ctggattttt ggcacacccc tgtgcaagat
 801  ggtctcactc ctgaaggaag tcaacttctt cagtggtatc ttgctgctgg cctgcatcag tgtggatcga tacctggcca tcgtccatgc cacccgcaca
 901  ctgacccgaa agcgctactt ggttaaattc gtatgcatgg gcacctgggg tctatccttg gttctgtctc tgccttttgc catcttccgc caggcatata
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1701  ctcactgccc gctttccagt cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg agaggcggtt tgcgtattgg gcgctcttcc
1801  gcttcctcgc tcactgactc gctgcgctcg gtcgttcggc tgcggcgagc ggtatcagct cactcaaagg cggtaatacg gttatccaca gaatcagggg
1901  ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa ggccaggaac cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc gccccctga
2001  cgagcatcac aaaaatcgac gctcaagtca gaggtggcga aacccgacag gactataaag ataccaggcg tttcccccctg gaagctccct cgtgcgctct
2101  cctgttccga ccctgccgct taccggatac ctgtccgcct ttctcccttc gggaagcgtg gcgctttctc aatgctcacg ctgtaggtat ctcagttcgg
2201  tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag cccgaccgct gcgccttatc cggtaactat cgtcttgagt ccaacccggt
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2501  ccgctggtag cggtggtttt tttgtttgca agcagcagat tacgcgcaga aaaaaaggat ctcaagaaga tcctttgatc ttttctacgg ggtctgacgc
2601  tcagtggaac gaaaactcac gttaagggat tttggtcatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag ttttaaatca
2701  atctaaagta tatatgagta aacttggtct gacagttacc aatgcttaat cagtgaggca cctatctcag cgatctgtct atttcgttca tccatagttg
2801  cctgactccc cgtcgtgtag ataactacga tacgggaggg cttaccatct ggccccagtg ctgcaatgat accgcgagac ccacgctcac cggctccaga
2901  tttatcagca ataaaccagc cagccggaag ggccgagcgc agaagtggtc ctgcaacttt atccgcctcc atccagtcta ttaattgttg ccgggaagct
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> RDC0241 Translated Insert Sequence

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101  avskwkgwif gtplckmvsl lkevnffsgi lllacisvdr ylaivhatrt ltrkrylvkf vcmgtwglsl vlslpfaifr qaykpyrsgt vcyevlgeat
201  adlritlrgl shifgfllpl fimlvcyglt lrtlfkahmr qkrramwvif avvlvfllcc lpynlvllsd tllgahliqd tcerrnnidq alyiteilgf
301  shsclnpviy afvgqsfrhe flkilanlvh kevlthhsas frtslttiy
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