*h*XCR1 VersaClone cDNA

Catalog Number: RDC0044

Specifications:

Gene:	*h*XCR1
Accession:	NP_005274
Insert size:	1015bp
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

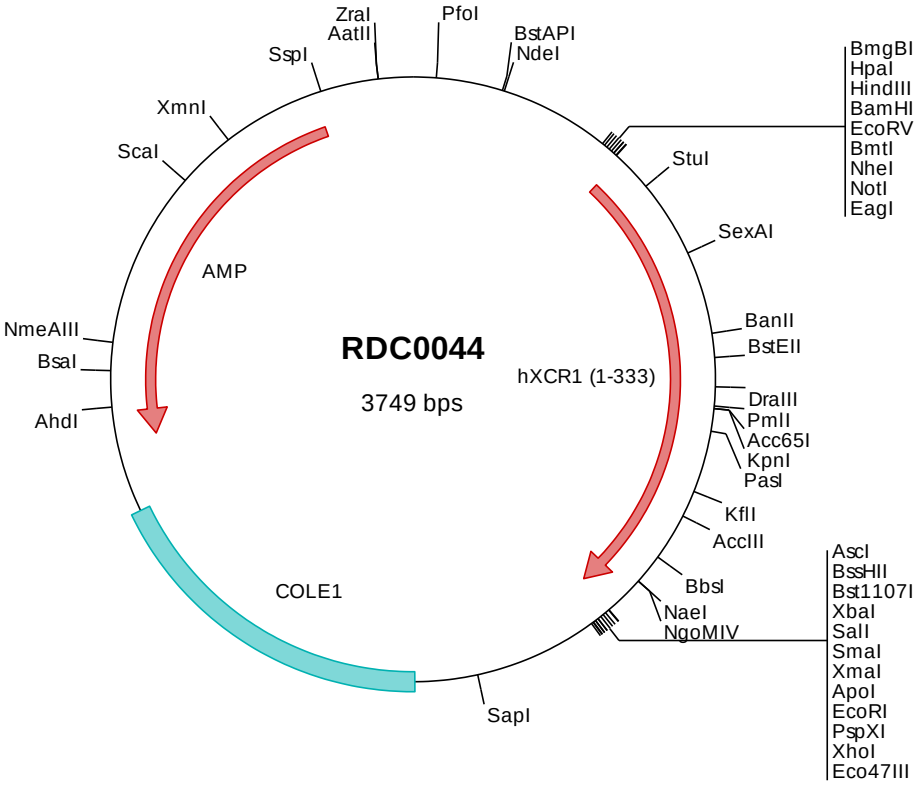
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*XCR1 cDNA Plasmid

XCR1 chemokine (C motif) receptor 1 [*Homo sapiens*]

Also known as: GPR5; CCXCR1

Summary:
XCR1 is a G protein-linked seven transmembrane domain spanning receptor that binds XCL1/lymphotactin/SCM-1α and XCL2/SCM-1β. In addition, human herpesvirus 8 (HHV8) encodes two viral chemokines vCCL2/vMIP-II and vCCL3/vMIP-III that function as an antagonist and a highly selective agonist, respectively, for XCR1. XCR1 is expressed on neutrophils, CD8+ T-cells , NK cells, CD4+ T-cells and B-cells. Certain dendritic cell subsets may be chemotactic towards NK or activated CD8(+) T-cells through XCR1.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0044 Plasmid DNA Sequence

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 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 atggagtcct caggcaaccc agagagcacc acctttttt actatgacct
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 701  tgcctgtgtg gatctcccca taccactggg gctgggtgct gggagacttc ctctgcaaac tcctcaatat gatcttctcc atcagcctct acagcagcat
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 901  atggctgtgt gggtagccag catcctgtcc tccatcctcg acaccatctt ccacaaggtg ctttcttcgg gctgtgatta ttccgaactc acgtggtacc
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1601  tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt
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1901  aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga
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2101  ttcgggaagc gtggcgcttt ctcaatgctc acgctgtagg tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgtt
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3601  gagcggatac atatttgaat gtatttagaa aaataaacaa ataggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt
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> RDC0044 Translated Insert Sequence

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101  lckllnmifs islyssiffl timtihryls vvsplstlrv ptlrcrvlvt mavwvasils sildtifhkv lssgcdysel twyltsvyqh nlfflslgi
201  ilfcyveilr tlfrsrskrr hrtvklifai vvayflswgp ynftlflqtl frtqiirsce akqqleyall icrnlafshc cfnpvlyvfv gvkfrthlkh
301  vlrqfwfcrl qapspasiph spgafayega sfy
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