*h*CCR7 VersaClone cDNA

Catalog Number: RDC0014-GFP

Specifications:

Gene:	*h*CCR7
Accession:	NP_001829.1
Insert size:	1872bp
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.

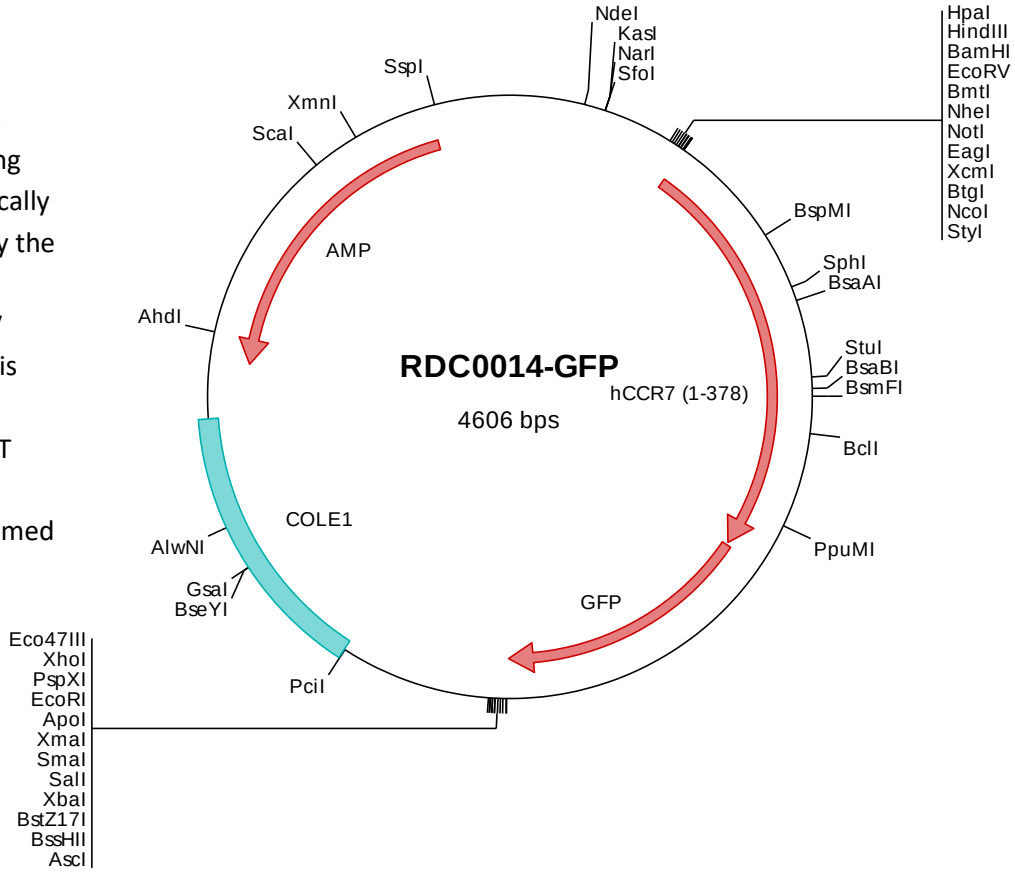
*h*CCR7 cDNA Plasmid

Chemokine (C-C motif) Receptor 7 [Homo sapiens]

Also known as: BLR2; CD197; CDw197; CMKBR7; EBI1

Summary:

CCR7 is a G protein-linked seven transmembrane domain spanning chemokine receptor that specifically binds CCL19/ECL. It is induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. CCR7 is expressed in various lymphoid tissues where it activates B and T lymphocytes. It is involved in memory T-cell migration to inflamed tissues and in dendritic cell maturation.



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NOT FOR USE IN HUMANS

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R&D SYSTEMS

> RDC0014-GFP 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 atggacctgg ggaaaccaat gaaaagcgtg ctggtggtgg ctctccttgt
 501  cattttccag gtatgcctgt gtcaagatga ggtcacggac gattacatcg gagacaacac cacagtggac tacactttgt tcgagtcttt gtgctccaag
 601  aaggacgtgc ggaactttaa agcctggttc ctccctatca tgtactccat catttgtttc gtgggcctac tgggcaatgg gctggtcgtg ttgacctata
 701  tctatttcaa gaggctcaag accatgaccg atacctacct gctcaacctg gcggtggcag acatcctctt cctcctgacc cttcccttct gggcctacag
 801  cgcggccaag tcctgggtct tcggtgtcca cttttgcaag ctcatctttg ccatctacaa gatgagcttc ttcagtggca tgctcctact tctttgcatc
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1601  agggcgagga gctgttcacc ggggtggtgc ccatcctggt cgagctggac ggcgacgtaa acggccacaa gttcagcgtg tccggcgagg gcgagggcga
1701  tgccacctac ggcaagctga ccctgaagtt catctgcacc accggcaagc tgcccgtgcc ctggcccacc ctcgtgacca ccctgaccta cggcgtgcag
1801  tgcttcagcc gctaccccga ccacatgaag cagcacgact tcttcaagtc cgccatgccc gaaggctacg tccaggagcg caccatcttc ttcaaggacg
1901  acggcaacta caagacccgc gccgaggtga agttcgaggg cgacaccctg gtgaaccgca tcgagctgaa gggcatcgac ttcaaggagg acggcaacat
2001  cctggggcac aagctggagt acaactacaa cagccacaac gtctatatca tggccgacaa gcagaagaac ggcatcaagg tgaacttcaa gatccgccac
2101  aacatcgagg acggcagcgt gcagctcgcc gaccactacc agcagaacac ccccatcggc gacggccccg tgctgctgcc cgacaaccac tacctgagca
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2301  gtacaagtaa ggcgcgccag tatactctag agtcgacacc cggggaattc ctcgagcgct cgtctctagc ttggcgtaat catggtcata gctgtttcct
2401  gtgtgaaatt gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaatg agtgagctaa ctcacattaa
2501  ttgcgttgcg ctcactgccc gctttccagt cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg agaggcggtt tgcgtattgg
2601  gcgctcttcc gcttcctcgc tcactgactc gctgcgctcg gtcgttcggc tgcggcgagc ggtatcagct cactcaaagg cggtaatacg gttatccaca
2701  gaatcagggg ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa ggccaggaac cgtaaaaagg ccgcgttgct ggcgtttttc cataggctcc
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2901  cgtgcgctct cctgttccga ccctgccgct taccggatac ctgtccgcct ttctcccttc gggaagcgtg gcgctttctc aatgctcacg ctgtaggtat
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4501  ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct
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> RDC0014-GFP Translated Insert Sequence

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 201  rssseqamrc slitehveaf itiqvaqmvi gflvpllams fcylviirtl lqarnfernk aikviiavvv vfivfqlpyn gvvlaqtvan fnitsstcel
 301  skqlniaydv tyslacvrcc vnpflyafig vkfrndlfkl fkdlgclsqe qlrqwsscrh irrssmsvea ettttfsphr mvskgeelft gvvpilveld
 401  gdvnghkfsv sgegegdaty gkltlkfict tgklpvpwpt lvttltygvq cfsrypdhmk qhdffksamp egyvqertif fkddgnyktr aevkfegdtl
 501  vnrielkgid fkedgnilgh kleynynshn vyimadkqkn gikvnfkirh niedgsvqla dhyqqntpig dgpvllpdnh ylstqsalsk dpnekrdhmv
 601  llefvtaagi tlgmdelyk
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