

Specifications:

| | |
|---------------|------------------|
| Gene: | rCCR7 |
| Accession: | NP_955783 |
| Insert size: | 1149bp |
| 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

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|-------------|---|
| 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. |

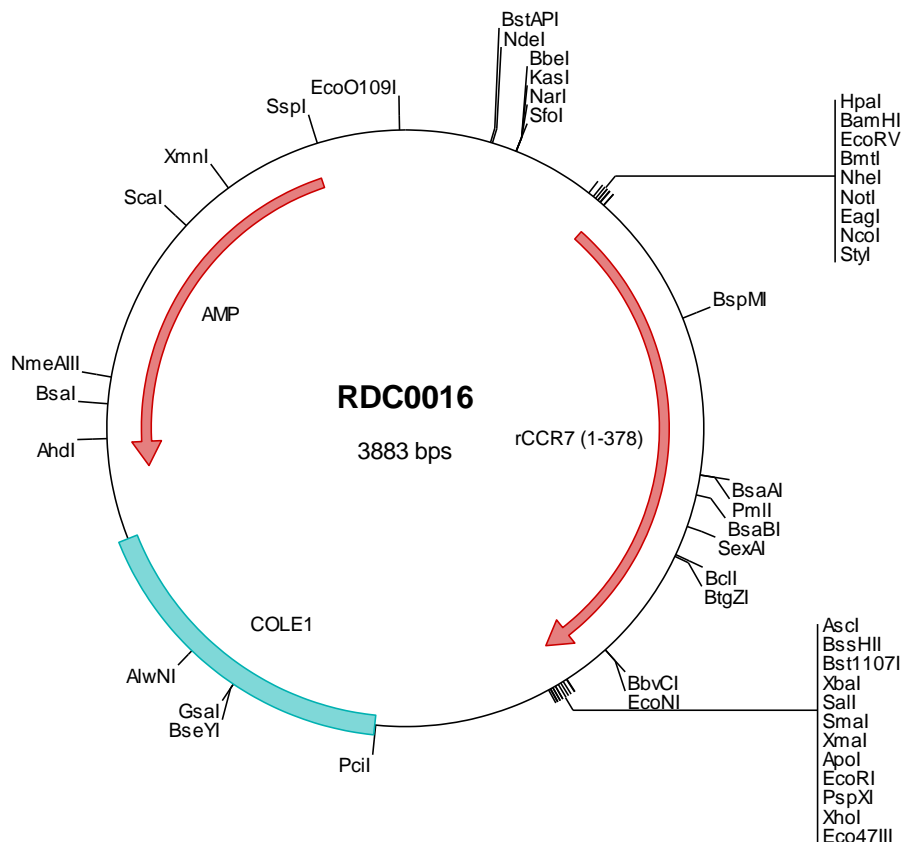
rCCR7 cDNA Plasmid

Ccr7 chemokine (C-C motif) receptor 7 [*Rattus norvegicus*]

Also known as: CD197, Cdw197, Cmkbr7, EBI1

Summary:

CCR7 is a G protein-linked seven transmembrane domain spanning receptor that binds to CCL19 and CCL21. It is expressed on the surfaces of T-cells, B-cells, and mature dendritic cells. CCR7 is critical for generating an adaptive T-cell response. It controls the migration of dendritic cells from primary sites of infection and inflammation to secondary lymphoid organs.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0016 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taacgcaact ggcgaaagg ggaatgtctg caaggcgatt aagtgggta acgcccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggaatccgata tcgctagcgc gggccgccacc atggacctgg ggaagcccac gaaaaacgtg ctgtgtgtgg ctctcctggg
501 caatttccag gtgtgcttct gccaaatgta ggtcacagac gactacatcg gcgagaacac caccgtggac tacaccctgt atgagtcggg gtgcttcaag
601 aaggatgtgc ggaactttaa ggcctgtgtc ctccctctca tgtactcagt ctttctctc gtgggcttgc taggcaatgg gctgtgtgtg ctgacataca
701 tctatttcaa gagactgaag accatgacgg atacctacct gctcaacctg gccgtggcag acatcctctt cctcatgac ctccctctct gggcctacag
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901 agcattgacc gctatgtggc catogtccag gccgtgtcag cccaccggca ccgcccggc gtgcttctca tcagcaagct gtcctgtata gccatctgga
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1601 actctagagt cgacaccgg ggaattctc gagcgtcgt ctctagcttg gcgtaatcat ggtcatagct gtttctgtg tgaattgtt atccgctcac
1701 aattccacac aacatacag cgggaagcat aaagtgtaaa gcctgggggtg cctaagtgt gagctaaact acattaattg cgttgcgctc actgcccgt
1801 ttccagtcgg gaaacctgtc gtgccagctg cattaatgaa tcgcccacag cgcggggaga gccggtttgc gtattggcgg ctctccgct tctcgtca
1901 ctgactcgtc gcgctcgttc gttcggctgc ggcgagcgt atcagctcac tcaaaaggcg taatacgggt atccacagaa tcaggggata acgcaggaaa
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2501 gaaggacagt atttggtatc tgcgctctgc tgaagccagt taccttcgga aaaagagttg gtatgctctg atccggcaaa caaacaccg ctggtagcgg
2601 tggttttttt gtttgaagc agcagattac gcgcagaaaa aaaggatctc aagaagatcc tttgatctt tctacgggtg ctgacgctca gtggaacgaa
2701 aactcaactt aagggatctt ggtcatgaga ttatcaaaaa ggatctctac ctatgctctt taaatataa aatgaagt taaatcaatc taaagtatat
2801 atgagtaaac ttggtctgac agttaccaat gcttaatcag tgaggcact atctcagcga tctgtctatt tcggtcatcc atagttgcct gactccccgt
2901 cgtgtagata actacgatac gggaggcctt acctctggc cccagtgctg caatgatacc gcgagaccga cgctcaccgg ctccagat ttcagcaata
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3401 agtgtatcgc gcgaccagt tgcctctgccc cggcgtcaat acgggataat acccgccac atagcagaac tttaaaagt ctcactatg gaaaacgtt
3501 ttcggggcga aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaaccac tcggtcacc aactgatctt cagcatcttt tactttacc
3601 agcgtttctg ggtgagcaaa aacaggaagg caaaatgccc caaaaaagg aataaggcgc acacggaaat gttgaatact catactctc ctttttcaat
3701 attattgaag catttatcgc ggttatgttc tcatgagcgc atacatattt gaatgtat tttgaaataa acaaataggg tctccgcgca catttccccg
3801 aaaagtgcc cctgacgtct aagaaacct tattatcatg atattaacct ataaaaatag gcgatatcac aggcctttc gtc

> RDC0016 Translated Insert Sequence

1 mdlgkptknv lvvallvifq vcfqcdvtd dyigentvtd ytlYESVcfk kdvrnfwkfw lplmYsvicf vglLnglvv ltyiyfkrIk tmdtYllnl
101 avadilflmi lpfwayseak swifgaylck sifgiyklSf fsgmllllci sidryvaivq avsahrhrar vllisklsci giwtlaflfs ipellysglq
201 knsgedtwrc slvsagveal iaiqvagmvv gfvlpmlams fcylviirtl lqarnfernk aikviiavvv vfvvfqlpyn gvvlactvan fnitnsscea
301 skqlniaydv tyslasvrcc vnpflyafig vkfrsdlfkl fkdlgclsqe rlrqwsscrh vrhtsvsmea ettttfsP