*cr*CD4 VersaClone cDNA

Catalog Number: RDC1063

Specifications:

Gene:	*cr*CD4
Accession:	unpublished
Insert size:	1384bp
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

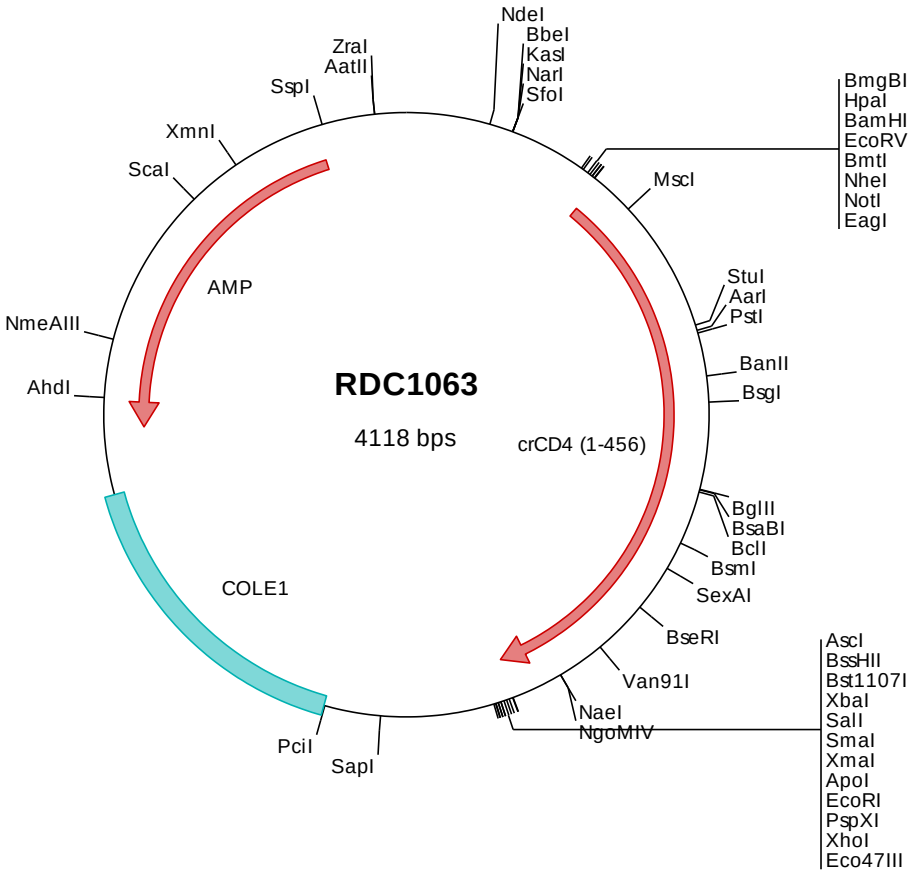
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cr*CD4 cDNA Plasmid

Cd4 CD4 antigen [Sigmodon hispidus (cotton rat)]

Also known as: L3T4; Ly-4

Summary:
CD4 is a transmembrane protein that is expressed predominantly on thymocytes and a subset of mature T lymphocytes. It is a coreceptor required for T cell recognition of antigens that are presented by class II major histocompatibility complexes. CD4 has also been shown to be a coreceptor of HIV entry and specifically binds gp120, the external envelope glycoprotein of HIV. It is a standard phenotype marker for the identification of T cell populations.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1063 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 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 atgtaccaag gaatctcttt gaggcagttt ctcctggtgc tacagctggc
 501  acaactgccc gctgtcactc aagggaagac tgtgaaagtg gccagagaag ggactttggt ggaactgccc tgtgtaggtt cccagcagaa gaacccgagc
 601  tttgtctgga agcgatctga ccagaagagg gttctgacaa atctcaataa ccttgtaatt agaggtcatt ttgatatgtt taaccgtttt gattcaagat
 701  caacttttatg ggatagagga ctatttcctc tcatcatcaa taaagttcag ctggaggact cagacactta catctgtgaa gtggataacc agaggacaga
 801  ggtggagttg tgggtgttta gagtgacagc caggcctgat taccacctgc tgcaggggca gactctgacc ctgaccttgg attgcagccc taaggtcact
 901  aacccctcaa tacagtgcac aagcccaaaa agtagactca tcaagggctc taaaaccctc tctgtgccca acataaagac tcaggacagt ggcacctgga
1001  cctgcaccgt cacccagaac caggaaaagg agaagtttga tataaacatc tcagtgctgg gcttccagga gacagctccc acagtctata ggaaagaagg
1101  agaaccattg gaggtctcct tcccacttaa ctttggagac gaaaaaatgc aaggggagct aaagtggaga gcagagaagg tcccctcacc ggagatcttg
1201  atcaccttct tactggagaa caagaaggtg tccctgctga agaccaagaa cagcctcaag cttcagctgt cagaagctct cccactccac ctcaagatac
1301  cccaggtttc ccttgagaat gctggttctg gaaacctgac cctatctctg accaaaggaa cactacgtca ggaagtgaac ctggtggtga tgaaattggt
1401  tcagaaaaac aacactttga cctgtgaggt gagaggaccc acctccccca agatgagact gaccctgagg ccggagaatc agaggagcag ggtgtccaag
1501  caggagaagg tggttgaagt gctggctcct gagtcagggc tgtggcagtg cctacttact gaaggggatg aggtcaagat aaactccaac ctccaggttt
1601  tatccagagg gtgggacaag gaccaaccca tgttcctggc tgctgtgctg ggaggcatct tcagctttct ggtctttgct gggttctgca tcctctgctg
1701  tgtcaagtgc cggcaccaac agcgccaggc agaacggatg actcacatca agaggctcct gagtgagaag aagacctgcc agtgtcccca ccggatgcag
1801  aagactcaga atctcattta aaggcgcgcc agtatactct agagtcgaca cccggggaat tcctcgagcg ctcgtctcta gcttggcgta atcatggtca
1901  tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct
2001  aactcacatt aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg ggagaggcgg
2101  tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata
2201  cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt
2301  tccataggct ccgccccct gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac aggactataa agataccagg cgtttccccc
2401  tggaagctcc ctcgtgcgct ctcctgttcc gaccctgccg cttaccggat acctgtccgc ctttctccct tcgggaagcg tggcgctttc tcaatgctca
2501  cgctgtaggt atctcagttc ggtgtaggtc gttcgctcca agctgggctg tgtgcacgaa ccccccgttc agcccgaccg ctgcgccttа tccggtaact
2601  atcgtcttga gtccaacccg gtaagacacg acttatcgcc actggcagca gccactggta acaggattag cagagcgagg tatgtaggcg gtgctacaga
2701  gttcttgaag tggtggccta actacggcta cactagaagg acagtatttg gtatctgcgc tctgctgaag ccagttacct tcggaaaaag agttggtagc
2801  tcttgatccg gcaaacaaac caccgctggt agcggtggtt tttttgtttg caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga
2901  tcttttctac ggggtctgac gctcagtgga acgaaaactc acgttaaggg attttggtca tgagattatc aaaaaggatc ttcacctaga tccttttaaa
3001  ttaaaaatga agttttaaat caatctaaag tatatatgag taaacttggt ctgacagtta ccaatgctta atcagtgagg cacctatctc agcgatctgt
3101  ctatttcgtt catccatagt tgcctgactc cccgtcgtgt agataactac gatacgggag ggcttaccat ctggccccag tgctgcaatg ataccgcgag
3201  acccacgctc accggctcca gatttatcag caataaacca gccagccgga agggccgagc gcagaagtgg tcctgcaact ttatccgcct ccatccagtc
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3401  tttggtatgg cttcattcag ctccggttcc caacgatcaa ggcgagttac atgatccccc atgttgtgca aaaaagcggt tagctccttc ggtcctccga
3501  tcgttgtcag aagtaagttg gccgcagtgt tatcactcat ggttatggca gcactgcata attctcttac tgtcatgcca tccgtaagat gcttttctgt
3601  gactggtgag tactcaacca agtcattctg agaatagtgt atgcggcgac cgagttgctc ttgcccggcg tcaatacggg ataataccgc gccacatagc
3701  agaactttaa aagtgctcat cattggaaaa cgttcttcgg ggcgaaaact ctcaaggatc ttaccgctgt tgagatccag ttcgatgtaa cccactcgtg
3801  cacccaactg atcttcagca tcttttactt tcaccagcgt ttctgggtga gcaaaaacag gaaggcaaaa tgccgcaaaa aagggaataa gggcgacacg
3901  gaaatgttga atactcatac tcttcctttt tcaatattat tgaagcattt atcagggtta ttgtctcatg agcggataca tatttgaatg tatttagaaa
4001  aataaacaaa taggggttcc gcgcacattt ccccgaaaag tgccacctga cgtctaagaa accattatta tcatgacatt aacctataaa aataggcgta
4101  tcacgaggcc ctttcgtc
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> RDC1063 Translated Insert Sequence

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 101  ledsdtyice vdnqrtevel wvfrvtarpd yhllqgqtlt ltldcspkvt npsiqctspk srlikgsktl svpniktqds gtwtctvtqn qekekfdini
 201  svlgfqetap tvyrkegepl evsfplnfgd ekmqgelkwr aekvpspeil itfllenkkv sllktknslk lqlsealplh lkipqvslen agsgnltlsl
 301  tkgtlrqevn lvvmklvqkn ntltcevrgp tspkmrltlr penqrsrvsk qekvvevlap esglwqcllt egdevkinsn lqvlsrgwdk dqpmflaavl
 401  ggifsflvfa gfcilccvkc rhqqrqaerm thikrllsek ktcqcphrmq ktqnli
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