*cyno*CD4 VersaClone cDNA

Catalog Number: RDC3198

Specifications:

Gene:	*cyno*CD4
Accession:	XP_005570013.1
Insert size:	1390bp
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

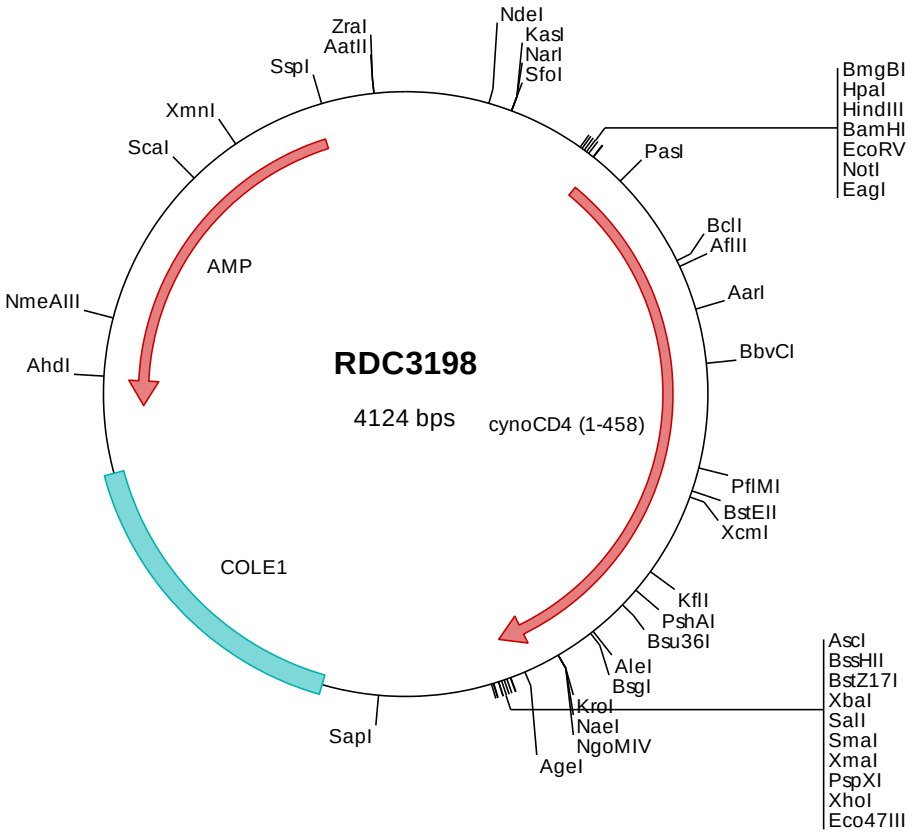
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*CD4 cDNA Plasmid

CD4 CD4 molecule [*Macaca fascicularis* (crab-eating macaque)]

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

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> RDC3198 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 atgaaccggg gaatcccttt taggcacttg cttctggtgc tgcaactggc
 501  gctactccca gcagtcaccc agggaaagaa agtggtgctg ggcaagaaag gggatacagt ggaactgacc tgtaatgctt cgcagaagaa gaacacacaa
 601  ttccactgga aaaactccaa ccagataaag attctgggaa ttcagggctc cttcttaact aaaggtccat ccaagctgag cgatcgtgct gactcaagaa
 701  aaagcctttg ggaccaagga tgcttttcca tgatcatcaa gaatcttaag atagaagact cagatactta catctgtgaa gtggagaaca agaaggagga
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 901  ccctcagtga aatgtaggag tccaggggct aaaaacatac agggggggag gaccctctct gtgcctcagc tggagcgcca ggatagtggc acctggacat
1001  gcaccgtctc gcaggaccag aagacggtgg agttcaaaat agacatcgtg gtgctagctt tccagaaggc ctccagcaca gtctataaga aagaggggga
1101  acaggtggag ttctccttcc cactcgcctt tacacttgaa aagctgacgg gcagtggcga gctgtggtgg caggcggaga gggcctcctc ctccaagtct
1201  tggattacct tcgacctgaa gaacaaggaa gtgtctgtaa aacgggttac ccaggacccc aagctccaga tgggcaagaa gctcccgctc cacctcaccc
1301  tgccccaggc cttgcctcag tatgctggct ctggaaacct cacgctggcc cttgaagcga aaacaggaaa gttgcatcag gaagtgaacc tcgtggtgat
1401  gagagccact cagttccagg aaaatttgac ctgtgaagtg tggggaccca cctcccctaa gctgacgctg agcttgaaac tggagaacaa ggggacaacg
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1701  cttctgtgtc aggtgccggc atcgaaggcg tcaagcagag cggatgtctc agatcaagag actcctcagt gaaaagaaga cctgccagtg ccctcaccgg
1801  tttcagaaga catgtagccc catttaaagg cgcgccagta tactctagag tcgacacccg gggaattcct cgagcgctcg tctctagctt ggcgtaatca
1901  tggtcatagc tgtttcctgt gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca taaagtgtaa agcctggggt gcctaatgag
2001  tgagctaact cacattaatt gcgttgcgct cactgcccgc tttccagtcg ggaaacctgt cgtgccagct gcattaatga atcggccaac gcgcggggag
2101  aggcggtttg cgtattgggc gctcttccgc ttcctcgctc actgactcgc tgcgctcggt cgttcggctg cggcgagcgg tatcagctca ctcaaaggcg
2201  gtaatacggt tatccacaga atcaggggat aacgcaggaa agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg
2301  cgtttttcca taggctccgc ccccctgacg agcatcacaa aaatcgacgc tcaagtcaga ggtggcgaaa cccgacagga ctataaagat accaggcgtt
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2701  tacagagttc ttgaagtggt ggcctaacta cggctacact agaaggacag tatttggtat ctgcgctctg ctgaagccag ttaccttcgg aaaaagagtt
2801  ggtagctctt gatccggcaa acaaaccacc gctggtagcg gtggtttttt tgtttgcaag cagcagatta cgcgcagaaa aaaaggatct caagaagatc
2901  ctttgatctt ttctacgggg tctgacgctc agtggaacga aaactcacgt taagggattt tggtcatgag attatcaaaa aggatcttca cctagatcct
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3101  atctgtctat ttcgttcatc catagttgcc tgactccccg tcgtgtagat aactacgata cgggagggct taccatctgg ccccagtgct gcaatgatac
3201  cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg ccgagcgcag aagtggtcct gcaacttttat ccgcctccat
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3601  ttctgtgact ggtgagtact caaccaagtc attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccggcgtcaa tacgggataa taccgcgcca
3701  catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg atgtaaccca
3801  ctcgtgcacc caactgatct tcagcatctt ttactttcac cagcgtttct gggtgagcaa aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc
3901  gacacggaaa tgttgaatac tcatactctt cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg gatacatatt tgaatgtatt
4001  tagaaaaata aacaaatagg ggttccgcgc acatttcccc gaaaagtgcc acctgacgtc taagaaacca ttattatcat gacattaacc tataaaaata
4101  ggcgtatcac gaggcccttt cgtc
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> RDC3198 Translated Insert Sequence

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 201  vlafqkasst vykkegeqve fsfplaftle kltgsgelww qaerasssks witfdlknke vsvkrvtqdp klqmgkklpl hltlpqalpq yagsgnltla
 301  leaktgklhq evnlvvmrat qfqenltcev wgptspkltl slklenkgtt vskqakavwv lnpeagmwqc llsdsgqvll esnikvvptw ptpvqpmali
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