*m*CD72 VersaClone cDNA

Catalog Number: RDC1383

Specifications:

Gene:	*m*Cd72
Accession:	NP_031680
Insert size:	1078bp
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

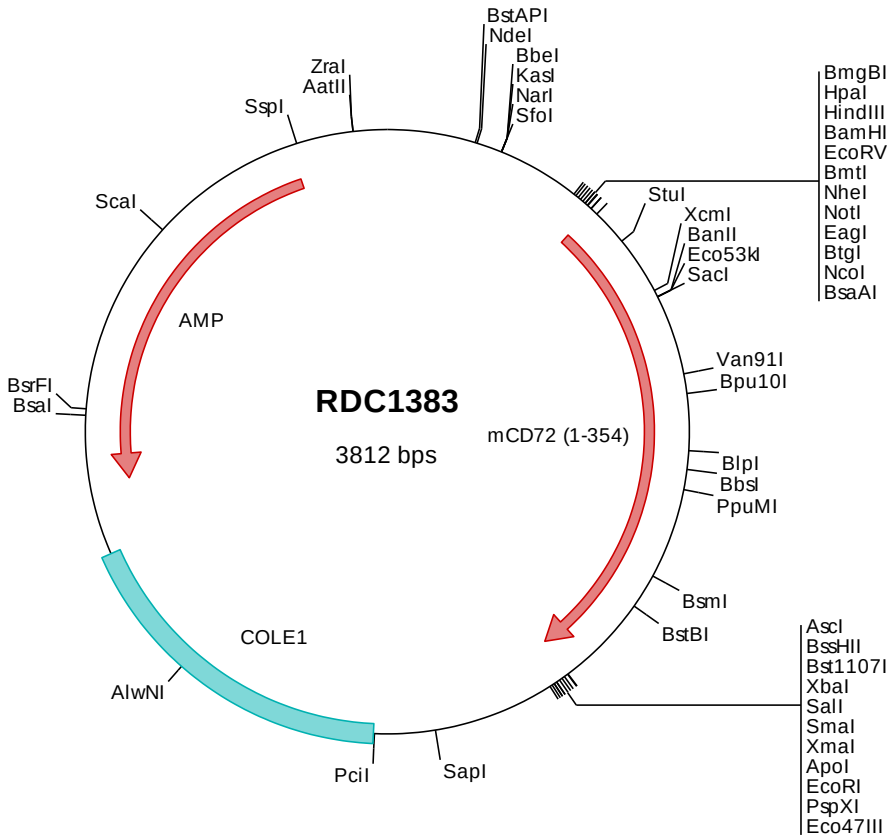
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*m*CD72 cDNA Plasmid

Cd72 CD72 antigen [*Mus musculus* (house mouse)]

Also known as: CD72c; Ly-19; Ly-32; Lyb-2; Ly-m19

Summary:
CD72 is a type II transmembrane glycoprotein that plays a role in immune system regulation. CD72 is expressed on B lineage cells, NK cells, monocytes, dendritic cells, and mast cells. It plays a role in B-cell proliferation and differentiation. CD72 binds to CD5 with mouse/human cross-reactivity and to Semaphorin 4D/CD100. It associates with CD79A in the B cell antigen receptor (BCR) complex following antigen stimulation and dampens BCR signaling through interactions with the phosphatase SHP-1.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC1383 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 atggctgacg ctatcacgta tgcagacctg cgctttgtga aagtgcccct
 501  gaagaacagc gcatctaacc atctaggaca ggactgtgag gcctatgaag atggggaact cacctacgag aatgtgcaag tgtctccagt cccaggaggg
 601  ccaccaggct tggcttcccc tgcactagcg gacaaagcag gggtcgggtc agagcaacca actgcgacct ggagctctgt gaactcgtct gctctcaggc
 701  agattccccg ctgtcctaca gtctgcttgc aatacttctt gcttggcctt ctcgtgtcct gtctgatgtt aggggtggct gtcatctgcc tgggagttcg
 801  ctatctgcag gtgtctcggc agttccagga ggggaccagg atttgggaag ccaccaatag cagcctgcag cagcagctca gggagaagat aagtcagctg
 901  gggcagaagg aggtggagct tcagaaggct cggaaagagc tgatctcgag ccaggacaca ttacaggaga agcagaggac tcacgaggac gctgagcagc
1001  aactacaagc ctgccaggct gagagagcga agaccaagga gaacctgaaa actgaggagg agcggaggag ggacctggac cagaggttga caagcacgcg
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1201  ggaagtctgg aggagagcca aaaatactgc acatctctgt cctccaaact ggcagcattc gatgaacctt ctaagtatta ctatgaagtt tctctgccca
1301  gcggcttaga ggagttgcta gatcgttcga agtcatattg gatacagatg agcaagaagt ggaggcagga ctctgactct caaagccgac attgtgtcag
1401  gataaaaaca tattaccaga agtgggaaag aacaatttcc aagtgtgcag agcttcaccc ctgcatttgt gagtcggagg ctttcaggtt tcctgatggg
1501  atcaatctga actaaaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg
1601  tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca
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1801  tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta
1901  tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaggccgc gttgctggcg tttttccata
2001  ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc cccctggaag
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2401  gaagtggtgg cctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga
2501  tccggcaaac aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt
2601  ctacggggtc tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa
2701  atgaagtttt aaatcaatct aaagtatata tgagtaaact tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat ctgtctattt
2801  cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac
2901  gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc agtctattaa
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3501  actgatcttc agcatctttt actttcacca gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataagggcga cacggaaatg
3601  ttgaatactc atactcttcc tttttcaata ttattgaagc atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa
3701  caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga
3801  ggccctttcg tc
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> RDC1383 Translated Insert Sequence

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 101  lvsclmlgva viclgvrylq vsrqfqegtr iweatnsslq qqlrekisql gqkevelqka rkelissqdt lqekqrthed aeqqlqacqa eraktkenlk
 201  teeerrrdld qrltstretl rrffsdssdt ccpcgwipyq ercfyishtl gsleesqkyc tslssklaaf depskyyyev slpsgleell drsksywiqm
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```