*cyno*CD19 VersaClone cDNA

Catalog Number: RDC2232

Specifications:

Gene:	*cyno*CD19
Accession:	XP_005591597
Insert size:	1738bp
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.

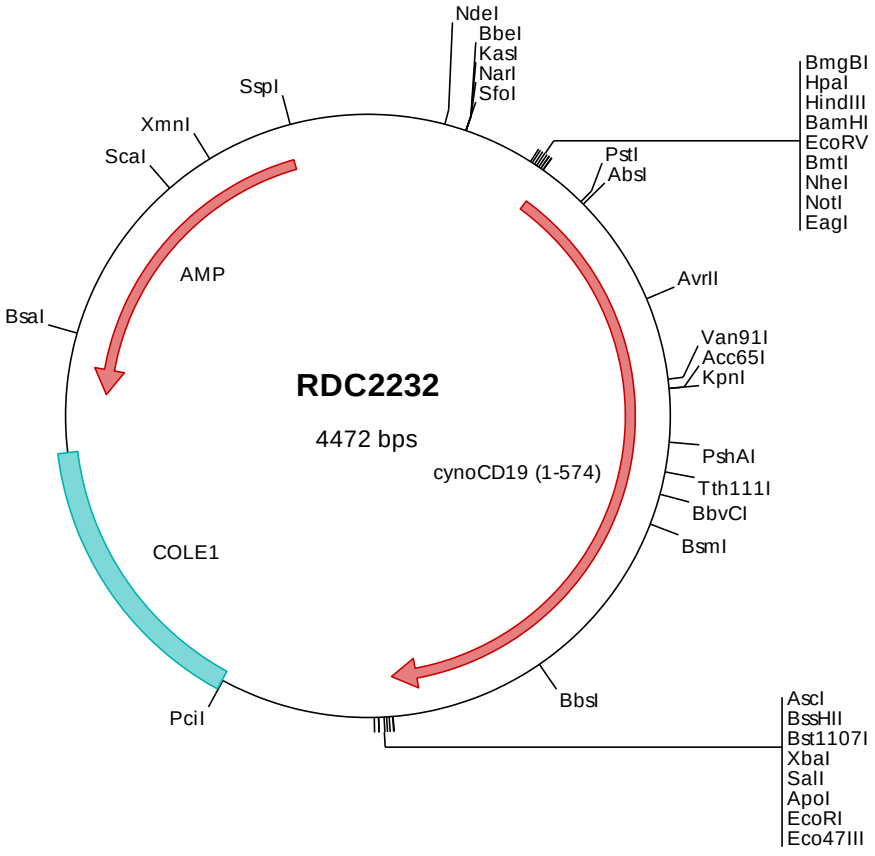
Preparation and Storage

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*CD19 cDNA Plasmid

CD19 CD19 molecule [*Macaca fascicularis* (crab-eating macaque)]

Summary:
Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B-cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. CD19 is a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. CD19 forms a complex with CD21, CD81 and CD225 in the membrane of mature B-cells.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC2232 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 atgccacctc cttgcctcct cttcttcctc ctcttcctca cccccatgga
 501  agtcaggccc caggaacctc tagtggtgaa ggtagaagag ggagataacg ctgtgctgca gtgcctcgag gggacctcag atggccccac tcagcagctg
 601  gtctggtgtc gggactcccc gtttgaaccc ttcttaaatc tcagcctggg gctgccaggc atgggaatcc gcatggggcc cctgggcatc tggcttttaa
 701  tcttcaacgt ctctaaccag acgggggggct tctacctatg ccagccgggg ctcccctctg agaaggcctg gcagcctggc tggacagtca gtgtggaggg
 801  cagcggggag ctgttccggt ggaatgtttc ggacctaggt ggcctgggct gtggcctgaa gaacaggtcc tcagagggcc ccagctcccc ttctgggaaa
 901  ctcaacagct cccaactgta tgtgtgggcc aaagacagac ctgagatgtg ggagggagag cctgtgtgtg gcccaccgag ggacagcctg aaccagagcc
1001  tgagccagga cctcaccatg gccccgggct ccacactctg gctgtcctgt ggggtacccc ctgactctgt gtccaggggc cccctctcct ggacccatgt
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1601  gcgacgtcca ggtggatgga gccgtggggt cccggagccc tccgggagcg ggcccagaag aagaggaagg ggagggctat gaggagcccg acagtgagga
1701  gggctccgag ttctatgaga acgactccaa ctttgggcag gaccagctct cccaggatgg cagcggctac gagaaccctg aggacgagcc cctgggtcct
1801  gaggatgaag actctttctc taacgctgag tcttacgaga acgaggatga agagctgacc cagccggtcg ccaggacaat ggacttcctg agccccccatg
1901  ggtcagcctg ggaccccagc cgggaagcaa cttccctggg ctgtacttcc cgtgccctag cctccaattc tccatccccc gcccaagcag ggtcccagtc
2001  ctatgaggat atgagagggc tcctgtatgc agccccccag ctccgcacca ttcggggcca gcctggaccc aatcatgagg aagatgcaga ctcttacgag
2101  aacatggata atcccgatgg gccagaccca gcctggggag gaggcggacg catgggcacc tggagtgcca ggtaaaggcg cgccagtata ctctagagtc
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2301  acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg
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2501  cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag
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3701  agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat tcagctccgg ttcccaacga tcaaggcgag
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4001  cgaccgagtt gctcttgccc ggcgtcaata cgggataata ccgcgccaca tagcagaact ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa
4101  aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact cgtgcaccca actgatcttc agcatctttt actttcacca gcgtttctgg
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> RDC2232 Translated Insert Sequence

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 101  lpsekawqpg wtvsvegsge lfrwnvsdlg glgcglknrs segpsspsgk lnssqlyvwa kdrpemwege pvcgpprdsl nqslsqdltm apgstlwlsc
 201  gvppdsvsrg plswthvrpk gpkssllsle lkddrpdrdm wvvdtglllt rataqdagky ychrgnwtks fyleitarpa lwhwllrigg wkvpavtlty
 301  lifclcslvg ilqlqralvl rrkrkrmtdp trrffkvtpp pgsgpqnqyg nvlslptpts glgraqrwaa glggtapsyg npssdvqvdg avgsrsppga
 401  gpeeeegegy eepdseegse fyendsnfgq dqlsqdgsgy enpedeplgp ededsfsnae syenedeelt qpvartmdfl sphgsawdps reatslgcts
 501  ralasnspsp aqagsqsyed mrgllyaapq lrtirgqpgp nheedadsye nmdnpdgpdp awggggrmgt wsar
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