*eq*CD19 VersaClone cDNA

Catalog Number: RDC1058

Specifications:

Gene:	*eq*CD19
Accession:	NP_001254728
Insert size:	1692bp
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.

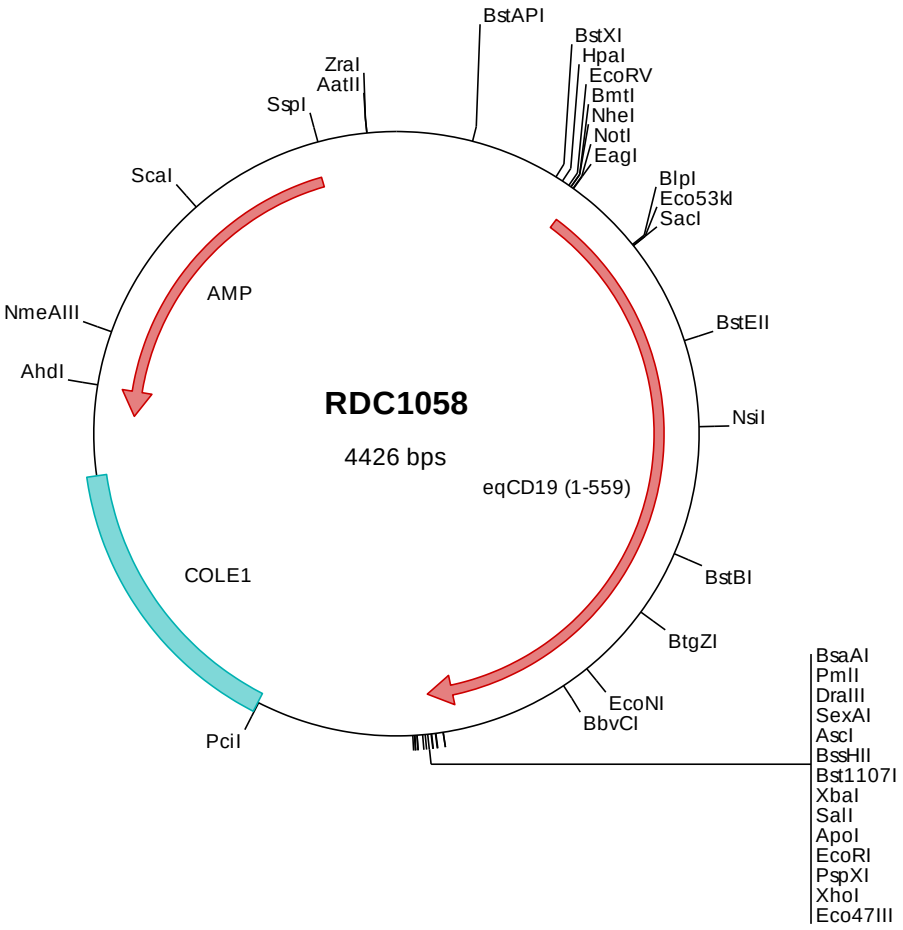
Preparation and Storage

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.

*eq*CD19 cDNA Plasmid

CD19 CD19 molecule [*Equus caballus* (horse)]

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

> RDC1058 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 ctctcctcct cttcttcctc ctcttcctta cccccacggg
 501  aggcagatcc caggaagcac tgctggtgga gactaaagag ggagacaatg ctgtgctgcc gtgcttcagt ccctcagatg gtccccctca gaagctggcc
 601  cagtataagg agacagaagc tttcttacag ctgagctcaa agttacgaga cctgagcatt cagaaacggc ccttgggcat catgctgctc gtcttcaacg
 701  tctctaacca gatgggcggc ttctacctgt gccagccggg gccccttctc gagcagggct ggcagcctgg ctggacagtc agcgtggaag gcagtggcaa
 801  gctgttccgg tggaatgctt cagacctaga taacccaggc tgtggcctgg gcaaaagttc ctcagaaggc ctcaagacct cttctggtca ccctgcaagc
 901  tcccagctgt atgagtgggc caaagacaag cctcatatcc gggagacagc ccttgaatgt gccccaaata ggagcagtct gaaccagaac cacagccaag
1001  acctcactgt ggcccctggc tccacactct ggctgccctg cggggtgctc cctgattcca tggtcacagg ccccgtctcc tggatccaca tgcatcccga
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1401  agccctgatc ctgaggagga aaagaaagcg aatgactgat cccactagaa ggttctttaa agtgacgcct cccccgggaa ccggcgccca gaaccagtat
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1701  ggaggactcc gagttctatg agaacgactc ccaccttggg caggaccaac tctcgcagga tggcagcggc tatgagaacc ctgaggaggg ggccttgggt
1801  gctgaggatg aagactcctt ctccaacgca gctgagtctt atgagaatga ggatgaagag gtggcccagc cagtcaccag gacaacagac ttcctgagtc
1901  cccatgggtc agcctgggac cccagcaggg aggcaacctc ccttgggtcc cagtcgtatg aggatatgag agggatcctg tatgcagccc cccagctccg
2001  ctcctttcgg gcccagcctg gtcccaatca tgaggaagat gcagactctt atgagaacat ggataatcct gatgggccag aaccagcatg ggatggaggg
2101  ggccacgtgg ggacctggag caccaggtga ggcgcgccag tatactctag agtcgacacc cggggaattc ctcgagcgct cgtctctagc ttggcgtaat
2201  catggtcata gctgtttcct gtgtgaaatt gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt aaagcctggg gtgcctaatg
2301  agtgagctaa ctcacattaa ttgcgttgcg ctcactgccc gctttccagt cgggaaacct gtcgtgccag ctgcattaat gaatcggcca acgcgcgggg
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2501  cggtaatacg gttatccaca gaatcagggg ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa ggccaggaac cgtaaaaagg ccgcgttgct
2601  ggcgtttttc cataggctcc gccccccctga cgagcatcac aaaaatcgac gctcaagtca gaggtggcga aacccgacag gactataaag ataccaggcg
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2801  aatgctcacg ctgtaggtat ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc ccccgttcag cccgaccgct gcgccttatc
2901  cggtaactat cgtcttgagt ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggattagca gagcgaggta tgtaggcggt
3001  gctacagagt tcttgaagtg gtggcctaac tacggctaca ctagaaggac agtatttggt atctgcgctc tgctgaagcc agttaccttc ggaaaaagag
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3201  tcctttgatc ttttctacgg ggtctgacgc tcagtggaac gaaaactcac gttaagggat tttggtcatg agattatcaa aaaggatctt cacctagatc
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3401  cgatctgtct atttcgttca tccatagttg cctgactccc cgtcgtgtag ataactacga tacgggaggg cttaccatct ggccccagtg ctgcaatgat
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3601  atccagtcta ttaattgttg ccgggaagct agagtaagta gttcgccagt taatagtttg cgcaacgttg ttgccattgc tacaggcatc gtggtgtcac
3701  gctcgtcgtt tggtatggct tcattcagct ccggttccca acgatcaagg cgagttacat gatcccccat gttgtgcaaa aaagcggtta gctccttcgg
3801  tcctccgatc gttgtcagaa gtaagttggc cgcagtgtta tcactcatgg ttatggcagc actgcataat tctcttactg tcatgccatc cgtaagatgc
3901  ttttctgtga ctggtgagta ctcaaccaag tcattctgag aatagtgtat gcggcgaccg agttgctctt gcccggcgtc aatacgggat aataccgcgc
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4101  cactcgtgca cccaactgat cttcagcatc ttttactttc accagcgttt ctgggtgagc aaaaacagga aggcaaaatg ccgcaaaaaa gggaataagg
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4301  tttagaaaaa taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc atgacattaa cctataaaaa
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> RDC1058 Translated Insert Sequence

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101  eqgwqpgwtv svegsgklfr wnasdldnpg cglgkssseg lktssghpas sqlyewakdk phiretalec apnrsslnqn hsqdltvapg stlwlpcgvl
201  pdsmvtgpvs wihmhpekta svlrlnmtkd tqvremwvsg tlrggavlll pqataqdagt yhcyhgnttr evhlkvtara avwhwlmetg gwkvpaatlv
301  ylifclsslv gflhlrrali lrrkrkrmtd ptrrffkvtp ppgtgaqnqy gnvlslstss sgtgralrwa sglgatvppy gsprshvqea raagsrsppg
401  agpeeeegea yeepdseeds efyendshlg qdqlsqdgsg yenpeegalg aededsfsna aesyenedee vaqpvtrttd flsphgsawd psreatslgs
501  qsyedmrgil yaapqlrsfr aqpgpnheed adsyenmdnp dgpepawdgg ghvgtwstr
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