*cyno*SIRPα/CD172a VersaClone cDNA

Catalog Number: RDC1913

Specifications:

Gene:	*cyno*SIRPA
Accession:	NP_001271679
Insert size:	1525bp
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

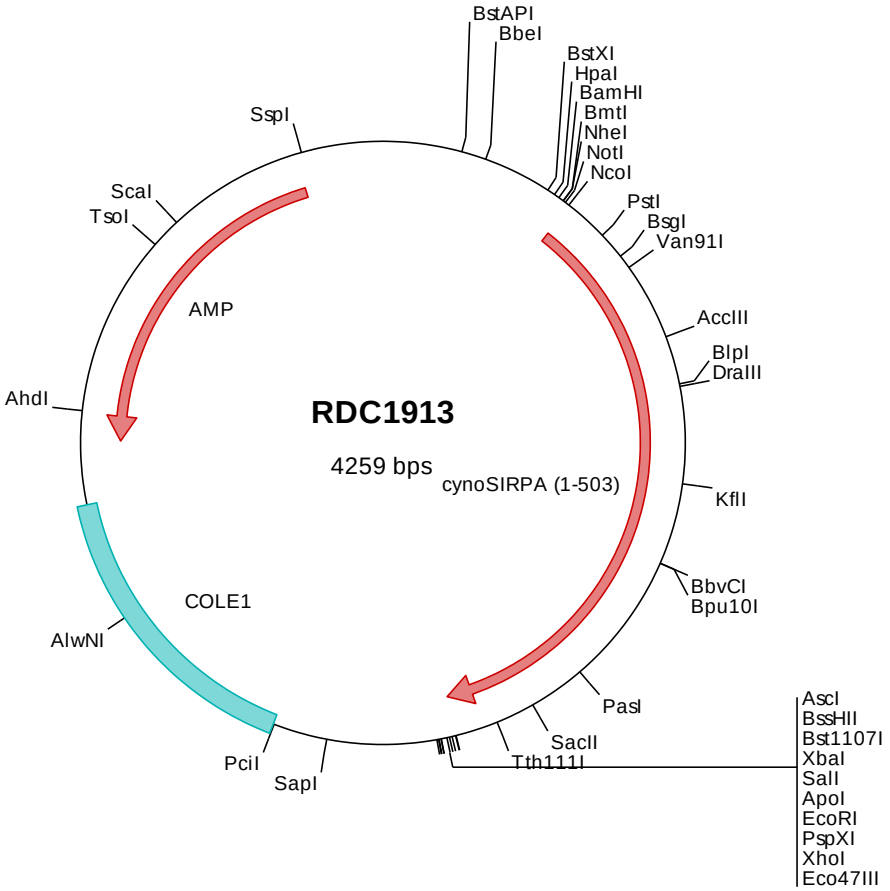
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*cyno*SIRPα/CD172a cDNA Plasmid

SIRPA signal regulatory protein alpha [*Macaca fascicularis* (crab-eating macaque)]

Summary:

SIRPA is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. SIRPA can be phosphorylated by tyrosine kinases. SIRPA was found to participate in signal transduction mediated by various growth factor receptors. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC1913 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 atggagcccg ccggcccggc ccccggccgc ctcgggccgc tgctctgcct
 501  gctgctcacc gcgtcctgcg cctggtcagg agtgttgggt gaggaggagc tgcaggtgat tcagcctgag aagtccgtgt ccgtcgcagc tggagactcg
 601  gccactctga actgcactgt gtcctccctg atccctgtgg ggcccatcca gtggttcaga ggagctggac caggccggga attaatctac aatctgaaag
 701  aaggccactt cccccgggta acagctgttt cagaccccac aaagagaaac aacatggact tttccatccg catcagtaac atcaccccag cagatgccgg
 801  cacctactac tgtgtgaagt tccggaaagg gagccccgac gtggagttga agtctggagc aggcaccgag ctctctgtgc gtgccaaacc ctctgcccct
 901  gtggtatcgg gccccgcagt gagggccaca gctgagcaca cagtgagctt cacctgcgag tcccacggct tctctcccag agacatcacc ctgaaatggt
1001  tcaaaaatgg gaacgagctc tcagacgtcc agaccaacgt ggaccccgca ggaaagagcg tgtcctacag catccgcagc acagccaggg tgttgctgac
1101  ccgcagagat gttcactctc aagtcatctg cgaggtggcc cacgtcacct tgcaggggga ccctcttcgt gggactgcca acttgtctga ggccatccga
1201  gttccaccct tcttggaggt tactcaacag tccatgaggg cagacaacca ggtgaatgtc acctgccagg tgacgaagtt ctacccccag agactacagc
1301  tgacctggtt ggagaacgga aacgtgtccc ggacagaaat ggcctcagcc cttccagaga acaaggatgg cacctataac tggacgagct ggctcctggt
1401  gaatgtgtct gcccataggg atgatgtgaa gctcacctgc caggtggagc atgacgggca gccagcggtg aacaaaagct tttccgtgaa ggtctcagcc
1501  cacccgaagg agcagggctc aaataccgcc gctgagaata ctggaactaa tgaacggaac atctatattg tggtgggcgt ggtgtgcacc ttgctggtgg
1601  ccctactgat ggcagccctc tacctcgtcc gaatcagaca gaagaaagcc cagggctcca cttcctctac aaggttgcat gagcctgaga agaatgccag
1701  agaaataacc caggacacaa atgatatcac atatgcagac ctgaacctgc ccaaggggaa gaagcccgct ccacgggccg cggagcccaa caaccacaca
1801  gagggtgcca gcattcagac cagcccacag cccgcatcgg aggacaccct cacctacgct gacctggaca tggtccacct caaccgaacc cccaagcagc
1901  cggcccccaa gcccgagcca tccttctcag agtatgccag cgtccaggtc ccgaggaagt aaaggcgcgc cagtatactc tagagtcgac acccggggaa
2001  ttcctcgagc gctcgtctct agcttggcgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg
2101  aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc
2201  cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc
2301  ggctgcggcg agcggtatca gctcactcaa aggcggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca
2401  aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg
2501  cgaaacccga caggactata aagataccag gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg
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2701  acccccgtt cagcccgacc gctgcgcctt atccggtaac tatcgtcttg agtccaaccc ggtaagacac gacttatcgc cactggcagc agccactggt
2801  aacaggatta gcagagcgag gtatgtaggc ggtgctacag agttcttgaa gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg
2901  ctctgctgaa gccagttacc ttcggaaaaa gagttggtag ctcttgatcc ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca
3001  gattacgcgc agaaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga cgctcagtgg aacgaaaact cacgttaagg gattttggtc
3101  atgagattat caaaaaggat cttcacctag atccttttaa attaaaaatg aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt
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3301  gggcttacca tctggcccca gtgctgcaat gataccgcga gacccacgct caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag
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3501  ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc gtttggtatg gcttcattca gctccggttc ccaacgatca aggcgagtta catgatcccc
3601  catgttgtgc aaaaaagcgg ttagctcctt cggtcctccg atcgttgtca gaagtaagtt ggccgcagtg ttatcactca tggttatggc agcactgcat
3701  aattctctta ctgtcatgcc atccgtaaga tgcttttctg tgactggtga gtactcaacc aagtcattct gagaatagtg tatgcggcga ccgagttgct
3801  cttgcccggc gtcaatacgg gataataccg cgccacatag cagaacttta aaagtgctca tcattggaaa acgttcttcg gggcgaaaac tctcaaggat
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4001  ggaaggcaaa atgccgcaaa aaagggaata agggcgacac ggaaatgttg aatactcata ctcttccttt ttcaatatta ttgaagcatt tatcagggtt
4101  attgtctcat gagcggatac atatttgaat gtatttagaa aaataaacaa ataggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga
4201  aaccattatt atcatgacat taacctataa aaataggcgt atcacgaggc cctttcgtc
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> RDC1913 Translated Insert Sequence

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 101  nmdfsirisn itpadagtyy cvkfrkgspd velksgagte lsvrakpsap vvsgpavrat aehtvsftce shgfsprdit lkwfkngnel sdvqtnvdpa
 201  gksvsysirs tarvlltrrd vhsqviceva hvtlqgdplr gtanlseair vppflevtqq smradnqvnv tcqvtkfypq rlqltwleng nvsrtemasa
 301  lpenkdgtyn wtswllvnvs ahrddvkltc qvehdgqpav nksfsvkvsa hpkeqgsnta aentgtnern iyivvgvvct llvallmaal ylvrirqkka
 401  qgstsstrlh epeknareit qdtndityad lnlpkgkkpa praaepnnht egasiqtspq pasedtltya dldmvhlnrt pkqpapkpep sfseyasvqv
 501  prk
```