*r*SIRP alpha/CD172a VersaClone cDNA

Catalog Number: RDC3503

Specifications:

Gene:	*r*Sirpa
Accession:	AAH99773.1
Insert size:	1555bp
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

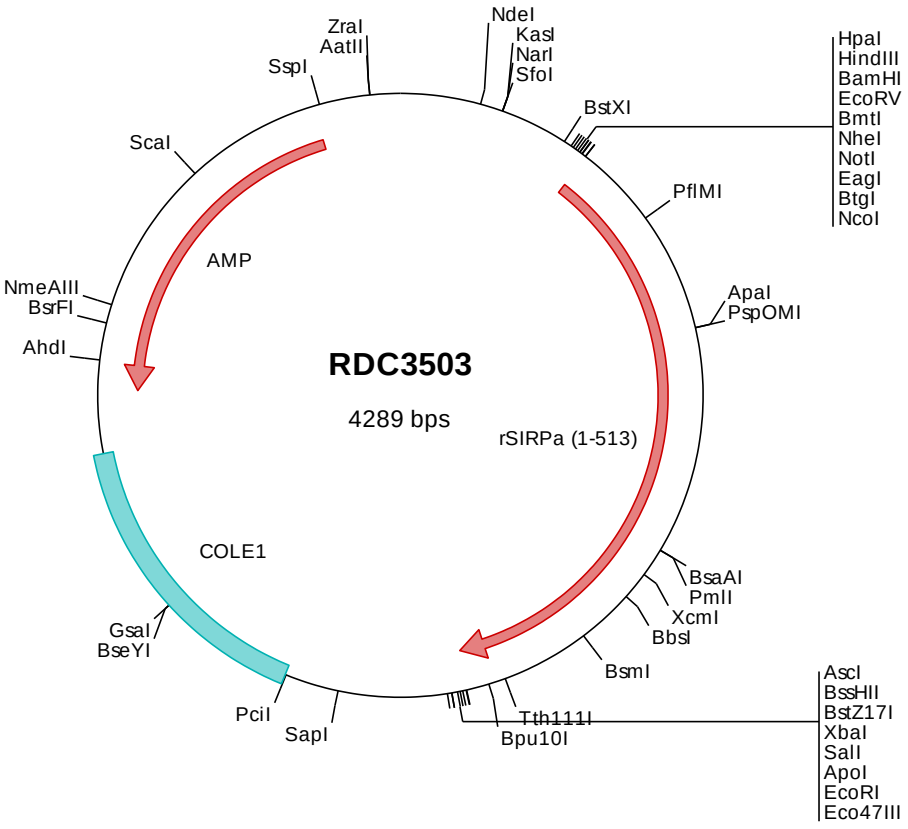
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*r*Sirpa cDNA Plasmid

Sirpa signal-regulatory protein alpha [*Rattus norvegicus* (Norway rat)]

Also known as: Bit; Ptpns1; SHPS-1

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

R&D SYSTEMS
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> RDC3503 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 atggagcccg caggccctgc ccctggccgc ctagggccgc tgctgttctg
 501  cctgctgctc tccgcgtcct gtttctgtgc aggagccagc gggaaagaac tgaaggtgac tcaggctgac aaatcagtgt ctgttgctgc tggagattcg
 601  gccactctga actgcactgt gtcctccctg acgcctgtgg gacccattaa gtggttcaaa ggagaagggc aaaatcggag cccgatctac agtttcatag
 701  gaggagaaca ctttcctcga attacaaatg tttcagatgc tactaagaga aacaatatgg actttagcat ctgtatcagt aatgtcaccc cagaagatgc
 801  tggcacctac tactgtgtga agttccagaa aggaatagta gagcctgaca cagaaattaa atctggaggg ggaacaacgc tctatgtact cgccaaacct
 901  tcttcaccgg aagtatcggg cccagactcc aggggctctc ctggacagac agtgaacttc acctgcaagt cttacggctt ctctccccgg aatatcaccc
1001  tgaagtggct caaagatggg aaagaactct cccatttgga gaccaccatc tccagtaaaa gcaatgtctc ctacaacatc tccagcacag tcagcgtgaa
1101  actaagcccc gaggacattc attctcgggt catctgcgag gtagcccacg tcaccttgga aggacgcccg cttaatggga ccgctaactt ttctaacatc
1201  atccgagttt cacccacctt gaagatcacc caacagcccc tgacgcccgc gagccaggtg aacctcacct gccaggtgca gaagttctac cccaaggctc
1301  tccagctgaa ctggctggag aatggaaact tatcacggac ggacaagccc gagcatttca cagacaacag ggatgggacc tataattaca caagcctgtt
1401  cctggtgaac tcatctgctc acagagagga tgtggtattc acgtgccagg tggagcatga cagtcagcca gcgatcaccg aaaaccatac cgtgcgggca
1501  tttgcccact cgagtagtgg aggcagcatg gaaaccatcc ctgataataa tgcttactac aactggaacg tcttcatcgg tgtgggtgtg gcgtgtgctt
1601  tgctagtagt cctgctgatg gctgccctct acctcctccg aatcaaacag aagaaagcca agggctcaac ttcttccaca cggttgcacg agcccgagaa
1701  gaatgccagg gaaataaccc aggtacagtc tttgatccag gacacaaatg acatcaacga catcacatac gcagacctga atctgcccaa agagaagaag
1801  cccgcccccc gggtccccga gcccaacaac cacacagaat atgcaagcat tgagacaggc aaactgccta ggccagagga taccctcacc tatgctgacc
1901  tggacatggt ccacctcaac cgggcacagc caacccccaa gcctgagcca tccttctcag agtatgccag tgtccaagtc cagaggaagt aaaggcgcgc
2001  cagtatactc tagagtcgac acccggggaa ttcctcgagc gctcgtctct agcttggcgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc
2101  gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat taattgcgtt gcgctcactg
2201  cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat tgggcgctct tccgcttcct
2301  cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat acggttatcc acagaatcag gggataacgc
2401  aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc tccgcccccc tgacgagcat
2501  cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc
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2701  cgttcgctcc aagctgggct gtgtgcacga acccccgtt cagcccgacc gctgcgcctt atccggtaac tatcgtcttg agtccaaccc ggtaagacac
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2901  acactagaag gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa gagttggtag ctcttgatcc ggcaaacaaa ccaccgctgg
3001  tagcggtggt ttttttgttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga agatcctttg atcttttcta cggggtctga cgctcagtgg
3101  aacgaaaact cacgttaagg gattttggtc atgagattat caaaaaggat cttcacctag atccttttaa attaaaaatg aagttttaaa tcaatctaaa
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3501  gtagttcgcc agttaatagt ttgcgcaacg ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc gtttggtatg gcttcattca gctccggttc
3601  ccaacgatca aggcgagtta catgatcccc catgttgtgc aaaaaagcgg ttagctcctt cggtcctccg atcgttgtca gaagtaagtt ggccgcagtg
3701  ttatcactca tggttatggc agcactgcat aattctctta ctgtcatgcc atccgtaaga tgcttttctg tgactggtga gtactcaacc aagtcattct
3801  gagaatagtg tatgcggcga ccgagttgct cttgcccggc gtcaatacgg gataataccg cgccacatag cagaacttta aaagtgctca tcattggaaa
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4101  ttcaatatta ttgaagcatt tatcagggtt attgtctcat gagcggatac atatttgaat gtatttagaa aaataaacaa atagggggttc cgcgcacatt
4201  tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacgaggc cctttcgtc
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> RDC3503 Translated Insert Sequence

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 201  ssksnvsyni sstvsvklsp edihsrvice vahvtlegrp lngtanfsni irvsptlkit qqpltpasqv nltcqvqkfy pkalqlnwle ngnlsrtdkp
 301  ehftdnrdgt ynytslflvn ssahredvvf tcqvehdsqp aitenhtvra fahsssggsm etipdnnayy nwnvfigvgv acallvvllm aalyllrikq
 401  kkakgstsst rlhepeknar eitqvqsliq dtndindity adlnlpkekk paprvpepnn hteyasietg klprpedtlt yadldmvhln raqptpkpep
 501  sfseyasvqv qrk
```