*h*SIRPα/CD172a VersaClone cDNA

Catalog Number: RDC1920

Specifications:

Gene:	*h*SIRPA
Accession:	NP_542970
Insert size:	1528bp
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

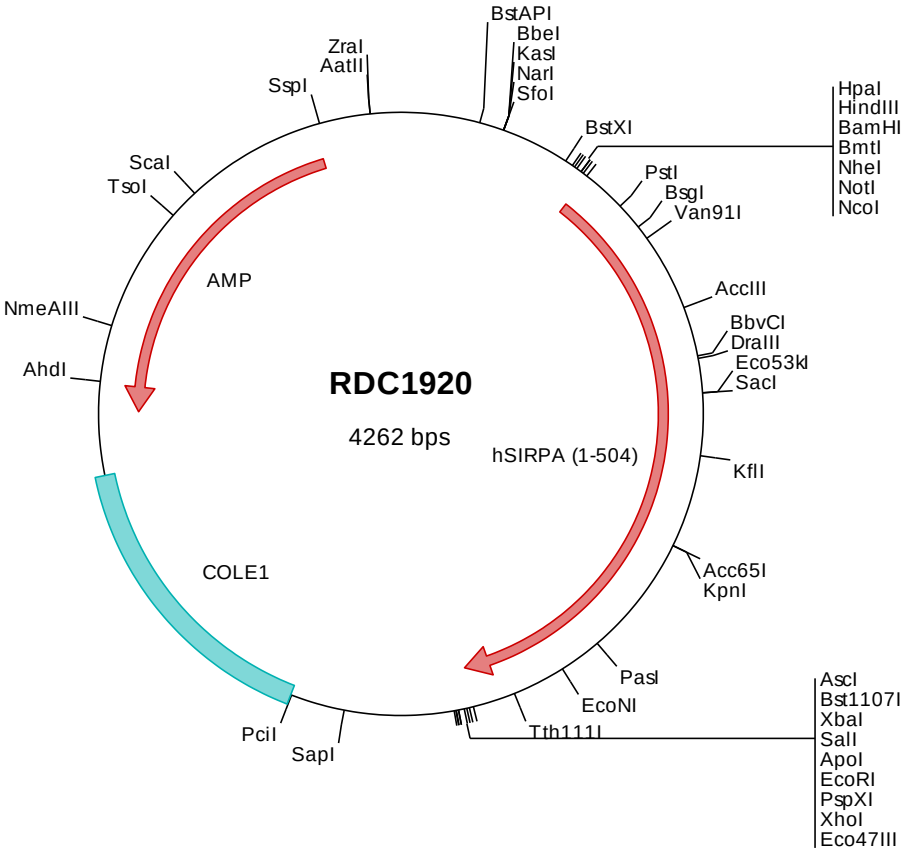
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*SIRPα/CD172a cDNA Plasmid

SIRPA signal regulatory protein alpha [*Homo sapiens* (human)]

Also known as: BIT; MFR; P84; SIRP; MYD-1; SHPS1; CD172A; PTPNS1

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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> RDC1920 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  gctgctcgcc gcgtcctgcg cctggtcagg agtggcgggt gaggaggagc tgcaggtgat tcagcctgac aagtccgtgt tggttgcagc tggagagaca
 601  gccactctgc gctgcactgc gacctctctg atccctgtgg ggcccatcca gtggttcaga ggagctggac caggccggga attaatctac aatcaaaaag
 701  aaggccactt cccccgggta acaactgttt cagacctcac aaagagaaac aacatggact tttccatccg catcggtaac atcaccccag cagatgccgg
 801  cacctactac tgtgtgaagt tccggaaagg gagccccgat gacgtggagt ttaagtctgg agcaggcact gagctgtctg tgcgcgccaa accctctgcc
 901  cccgtggtat cgggccctgc ggcgagggcc acacctcagc acacagtgag cttcacctgc gagtcccacg gcttctcacc cagagacatc accctgaaat
1001  ggttcaaaaa tgggaatgag ctctcagact tccagaccaa cgtggacccc gtaggagaga gcgtgtccta cagcatccac agcacagcca aggtggtgct
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1201  cgagttccac ccaccttgga ggttactcaa cagcccgtga gggcagagaa ccaggtgaac gtcacctgcc aggtgaggaa gttctacccc cagagactac
1301  agctgacctg gttggagaat ggaaacgtgt cccggacaga aacggcctca accgttacag agaacaagga tggtacctac aactggatga gctggctcct
1401  ggtgaatgta tctgcccaca gggatgatgt gaagctcacc tgccaggtgg agcatgacgg gcagccagcg gtcagcaaaa gccatgacct gaaggtctca
1501  gcccacccga aggagcaggg ctcaaatacc gccgctgaga acactggatc taatgaacgg aacatctata ttgtggtggg tgtggtgtgc accttgctgg
1601  tggccctact gatggcggcc ctctacctcg tccgaatcag acagaagaaa gcccagggct ccacttcttc tacaaggttg catgagcccg agaagaatgc
1701  cagagaaata acacaggaca caaatgatat cacatatgca gacctgaacc tgcccaaggg gaagaagcct gctccccagg ctgctgaacc caacaaccac
1801  acggagtatg ccagcattca gaccagcccg cagcccgcgt cggaggacac cctcacctat gctgacctgg acatggtcca cctcaaccgg acccccaagc
1901  agccggcccc caagcctgag ccgtccttct cagagtacgc cagcgtccag gtcccgagga agtaaaggcg cgccagtata ctctagagtc gacacccggg
2001  gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc
2101  cggaagcata aagtgtaaag cctggggtgc ctaatgagtg agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg
2201  tgccagctgc attaatgaat cggccaacgc gcggggagag gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg
2301  ttcggctgcg gcgagcggta tcagctcact caaaggcggt aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca
2401  gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg tttttccata ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg
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2801  ggtaacagga ttagcagagc gaggtatgta ggcggtgcta cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta tttggtatct
2901  gcgctctgct gaagccagtt accttcggaa aaagagttgg tagctcttga tccggcaaac aaaccaccgc tggtagcggt ggttttttg tttgcaagca
3001  gcagattacg cgcagaaaaa aaggatctca agaagatcct ttgatctttt ctacggggtc tgacgctcag tggaacgaaa actcacgtta agggattttg
3101  gtcatgagat tatcaaaaag gatcttcacc tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaact tggtctgaca
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3301  ggagggctta ccatctggcc ccagtgctgc aatgataccg cgagacccac gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc
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3501  acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc gtcgtttggt atggcttcat tcagctccgg ttcccaacga tcaaggcgag ttacatgatc
3601  ccccatgttg tgcaaaaaag cggttagctc cttcggtcct ccgatcgttg tcagaagtaa gttggccgca gtgttatcac tcatggttat ggcagcactg
3701  cataattctc ttactgtcat gccatccgta agatgctttt ctgtgactgg tgagtactca accaagtcat tctgagaata gtgtatgcgg cgaccgagtt
3801  gctcttgccc ggcgtcaata cgggataata ccgcgccaca tagcagaact ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa aactctcaag
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4001  acaggaaggc aaaatgccgc aaaaaaggga ataagggcga cacggaaatg ttgaatactc atactcttcc tttttcaata ttattgaagc atttatcagg
4101  gttattgtct catgagcgga tacatatttg aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta
4201  agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga ggccctttcg tc
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> RDC1920 Translated Insert Sequence

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 101  nmdfsirign itpadagtyy cvkfrkgspd dvefksgagt elsvrakpsa pvvsgpaara tpqhtvsftc eshgfsprdi tlkwfkngne lsdfqtnvdp
 201  vgesvsysih stakvvltre dvhsqvicev ahvtlqgdpl rgtanlseti rvpptlevtq qpvraenqvn vtcqvrkfyp qrlqltwlen gnvsrtetas
 301  tvtenkdgty nwmswllvnv sahrddvklt cqvehdgqpa vskshdlkvs ahpkeqgsnt aaentgsner niyivvgvvc tllvallmaa lylvrirqkk
 401  aqgstsstrl hepeknarei tqdtnditya dlnlpkgkkp apqaaepnnh teyasiqtsp qpasedtlty adldmvhlnr tpkqpapkpe psfseyasvq
 501  vprk
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