*p*SIRPα/CD172a VersaClone cDNA

Catalog Number: RDC3177

Specifications:

Gene:	*p*SIRPA
Accession:	NP_001011508.1
Insert size:	1537bp
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

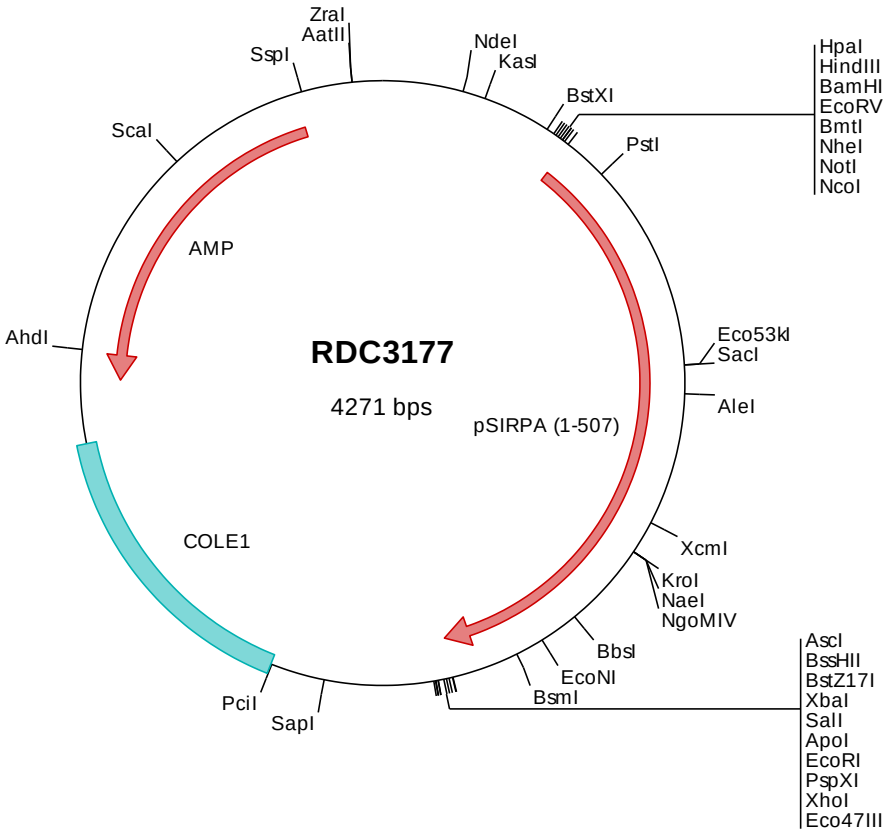
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*p*SIRPα/CD172a cDNA Plasmid

SIRPA signal regulatory protein alpha [*Sus scrofa* (pig)]

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
a bio-techne brand

> RDC3177 Plasmid DNA Sequence

```
   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 cccgcccggc ccccggccgc ctcgggccgc tgctctgcct
 501  gctgctcgcc ttgttgagcg cctggacagg agcggcaggt gaggaggggc tgcaggtgct tcagcctgag aggtccgtgt ctgtcgcagc tggagagacg
 601  gccactctgc cctgcactgc gacctctctg atccccattg ggcccttcaa gtggttcaag gggacaggac cagcccggga gctaatctac gatttcaaag
 701  gagatcctcg gggccactcc ccccgagtaa caaatgcttc agatgccaca aggagagaca acaaggactt ttccatccgc atccggaaca tcaccccagc
 801  agacgccggg acctactact gtgtgaagtt ccggagagag agccctgcgg acgtggagtt taggtctggg ccaggcactc agctcactgt gagtgccaag
 901  ccctctcggc ccgtggtctc aggccctgcg gcgagggcca cacctgagca gacagtgcgc ttcacctgca aatcccacgg cttctccccc agaaacatct
1001  ccctgaaatg gttcaaaaat ggcaatgagc tcccagcctc ccagaccagc gtggagcccg agggaaacgt ttcctacagc atctccagca ccaccgaggt
1101  gctgctggcc ccgggggatg tgcactccca ggtcatctgc gaggtggccc acgtcaccct gcaagggggc cctcctctcc gtggaactgc caacttgtct
1201  gagaccatcc gagttccgcc caccctggag gttacccaac agcccccgac ggggagccag gtgaatgtca cctgcctggt gaagaagttc taccccccagc
1301  gcctacagct gacctggctg gagaacagaa acgtgtcccg gacagaaacg gcctcgaccc tcatggagaa caaggatggg accttcaacc ggaccagctg
1401  gctcctggtg aactcatctg cccacaggga ggctgtgctg ctcacctgtc aggtggagca tgatgggcag ccggcggtca ccaaaaacta taccctggag
1501  gttgtcactc accagaagga gcagggtgca gatgcagtcc ttgacaactc cgacaactgg aaaagcatct ttatcacggt gggcgtggtg tgtgccttgc
1601  tggtggccct gctcgtcgct gctctctacc tcctccgaat cagacagaag aaagccaaag gctccacgtc ttctacaagg ttgcatgagc ccgagaagaa
1701  cgccagagaa ataacccaga tccaggacaa caatgacatt acctatgcag acctgaacct gcccaagggg aagaaacccg cccccaaggc cgaagaaccc
1801  aacgaccaca cggagtatgc cagcattcag gcccgcccac accccgggtc ggaggccaac cttacctatg ctgacctgga tatggtccac ctcaaccggg
1901  gccccaagca tccagccccc aagcctgagc catcctgctc ggagtatgcc agcgtccagg tccggaggaa gtaaaggcgc gccagtatac tctagagtcg
2001  acacccgggg aattcctcga gcgctcgtct ctagctttggc gtaatcatgg tcatagctgt ttcctgtgtg aaattgttat ccgctcacaa ttccacacaa
2101  catacgagcc ggaagcataa agtgtaaagc ctggggtgcc taatgagtga gctaactcac attaattgcg ttgcgctcac tgcccgcttt ccagtcggga
2201  aacctgtcgt gccagctgca ttaatgaatc ggccaacgcg cggggagagg cggtttgcgt attgggcgct cttccgcttc ctcgctcact gactcgctgc
2301  gctcggtcgt tcggctgcgg cgagcggtat cagctcactc aaaggcggta atacggttat ccacagaatc aggggataac gcaggaaaga acatgtgagc
2401  aaaaggccag caaaaggcca ggaaccgtaa aaaggccgcg ttgctggcgt ttttccatag gctccgcccc cctgacgagc atcacaaaaa tcgacgctca
2501  agtcagaggt ggcgaaaccc gacaggacta taaagatacc aggcgtttcc ccctggaagc tccctcgtgc gctctcctgt tccgaccctg ccgcttaccg
2601  gatacctgtc cgcctttctc ccttcgggaa gcgtggcgct ttctcaatgc tcacgctgta ggtatctcag ttcggtgtag gtcgttcgct ccaagctggg
2701  ctgtgtgcac gaaccccccg ttcagcccga ccgctgcgcc ttatccggta actatcgtct tgagtccaac ccggtaagac acgacttatc gccactggca
2801  gcagccactg gtaacaggat tagcagagcg aggtatgtag gcggtgctac agagttcttg aagtggtggc ctaactacgg ctacactaga aggacagtat
2901  ttggtatctg cgctctgctg aagccagtta ccttcggaaa aagagttggt agctcttgat ccggcaaaca aaccaccgct ggtagcggtg gttttttgt
3001  ttgcaagcag cagattacgc gcagaaaaaa aggatctcaa gaagatcctt tgatcttttc tacggggtct gacgctcagt ggaacgaaaa ctcacgttaa
3101  gggattttgg tcatgagatt atcaaaaagg atcttcacct agatcctttt aaattaaaaa tgaagtttta aatcaatcta aagtatatat gagtaaacttt
3201  ggtctgacag ttaccaatgc ttaatcagtg aggcacctat ctcagcgatc tgtctatttc gttcatccat agttgcctga ctccccgtcg tgtagataac
3301  tacgatacgg gagggcttac catctggccc cagtgctgca atgataccgc gagacccacg ctcaccggct ccagatttat cagcaataaa ccagccagcc
3401  ggaagggccg agcgcagaag tggtcctgca actttatccg cctccatcca gtctattaat tgttgccggg aagctagagt aagtagttcg ccagttaata
3501  gtttgcgcaa cgttgttgcc attgctacag gcatcgtggt gtcacgctcg tcgtttggta tggcttcatt cagctccggt tcccaacgat caaggcgagt
3601  tacatgatcc cccatgttgt gcaaaaaagc ggttagctcc ttcggtcctc cgatcgttgt cagaagtaag ttggccgcag tgttatcact catggttatg
3701  gcagcactgc ataattctct tactgtcatg ccatccgtaa gatgcttttc tgtgactggt gagtactcaa ccaagtcatt ctgagaatag tgtatgcggc
3801  gaccgagttg ctcttgcccg gcgtcaatac gggataatac cgcgccacat agcagaactt taaaagtgct catcattgga aaacgttctt cggggcgaaa
3901  actctcaagg atcttaccgc tgttgagatc cagttcgatg taacccactc gtgcacccaa ctgatcttca gcatctttta ctttcaccag cgtttctggg
4001  tgagcaaaaa caggaaggca aaatgccgca aaaaagggaa taagggcgac acggaaatgt tgaatactca tactcttcct ttttcaatat tattgaagca
4101  tttatcaggg ttattgtctc atgagcggat acatatttga atgtatttag aaaaataaac aaataggggt tccgcgcaca tttccccgaa aagtgccacc
4201  tgacgtctaa gaaaccatta ttatcatgac attaacctat aaaaataggc gtatcacgag gccctttcgt c
```

> RDC3177 Translated Insert Sequence

```
   1  meparpapgr lgpllclla llsawtgaag eeglqvlqpe rsvsvaaget atlpctatsl ipigpfkwfk gtgpareliy dfkgdprghs prvtnasdat
 101  rrdnkdfsir irnitpadag tyycvkfrre spadvefrsg pgtqltvsak psrpvvsgpa aratpeqtvr ftckshgfsp rnislkwfkn gnelpasqts
 201  vepegnvsys issttevlla pgdvhsqvic evahvtlqgg pplrgtanls etirvpptle vtqqpptgsq vnvtclvkkf ypqrlqltwl enrnvsrtet
 301  astlmenkdg tfnrtswllv nssahreavl ltcqvehdgq pavtknytle vvthqkeqga davldnsdnw ksifitvgvv callvallva alyllrirqk
 401  kakgstsstr lhepeknare itqiqdnndi tyadlnlpkg kkpapkaeep ndhteyasiq arphpgsean ltyadldmvh lnrgpkhpap kpepscseya
 501  svqvrrk
```