

Specifications:

Gene:	caSIRPA
Accession:	unique
Insert size:	1546bp
Concentration:	10µg at 0.2µg/µL

**caSIRPα/CD172a
cDNA Plasmid**

**SIRPA signal regulatory protein
alpha [*Canis lupus familiaris*
(dog)]**

Summary:

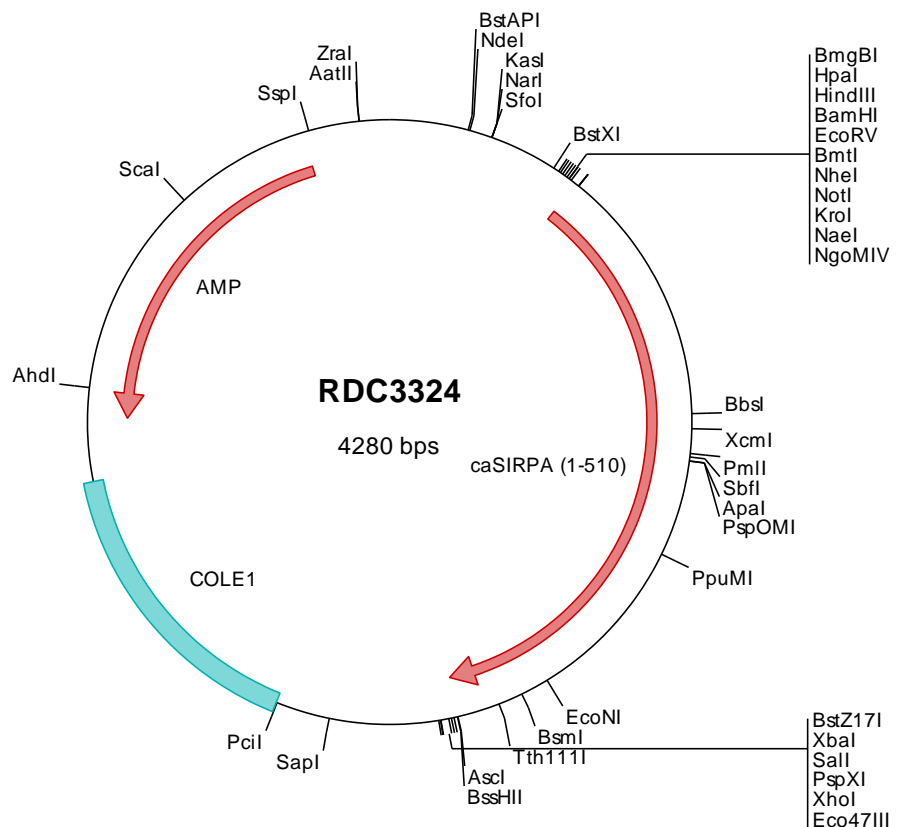
SIRPA is a member of the signal-regulatory-protein (SIRP) family, and also belongs to the immunoglobulin superfamily. SIRP family members are receptor-type transmembrane glycoproteins known to be involved in the negative regulation of receptor tyrosine kinase-coupled signaling processes. SIRPA can be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

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3324 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
101 tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaagggg aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgcccagt ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgcccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccaacc atggagcccg ccggcccggc ccccgccgcg ctcgggccgc tgcctgccc
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601 gtaactctgc gctgcaccct gacctccctg atcccccttg ggaaggttga gtggttcagg gggaccgggc caggccggga gttgatcttc catttcaaag
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> RDC3324 Translated Insert Sequence

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1 mepagpapgr lgp11c11fa ascawtvag eaelqvipe ksvsvaaet atrlrc11sl ipvgkvwfr gtgpgrelif hfkghgfrpv tnvsdstkrn
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201 ednasysiss ttkl1v1apgd vrsqviceva hv1lqggppl rgtan1setl rvpptlevsq hpmagdqvnv tcqvkkyfpq rlq1tlweng nvsrtetpsv
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