

Product datasheet for **MC217145**

Sirpa (NM_007547) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sirpa (NM_007547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sirpa
Synonyms:	AI835480; Bit; CD172a; P84; Ptpns1; SHP-1; SHPS-1; SIRP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC217145 representing NM_007547
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCGCCGGCCCGCCCTGGCCGCTAGGGCCGCTGCTGCTCTGCTGCTCTCCGCGTCT
 GTTCTGTACAGGAGCCACGGGAAGGAACTGAAGGTGACTCAGCCTGAGAAATCAGTGTCTGTTGCTGC
 TGGGGATTCGACCGTTCTGAAGTGCACCTTTGACCTCCTTGTGCGGTGGGACCCATTAGGTGGTACAGA
 GGAGTAGGGCCAAGCCGGCTGTTGATCTACAGTTTCGAGGAGAAACGTTCTCGAATTAGAAATGTTT
 CAGATACTACTAAGAGAAACAATATGGACTTTCCATCCGTATCAGTAATGTCACCCAGCAGATGCTGG
 CATCTACTACTGTGTGAAGTTCAGAAAGGATCATCAGAGCCTGACACAGAAATACAATCTGGAGGGGA
 ACAGAGGTCTATGTACTCGCAAACCTTCCACCGGAGGTATCCGGCCAGCAGACAGGGGCATACCTG
 ACCAGAAAGTGAAGTTCACCTGCAAGTCTCATGGCTTCTCTCCCGGAATATCACCTGAAGTGGTTCAA
 AGATGGGCAAGAACTCCACCCCTTGGAGACCACCGTGAACCTAGTGAAAGAATGTCTCTACAACATC
 TCAGCACAGTCAGGGTGGTACTAACTCCATGGATGTTAATTCTAAGGTATCTGCGAGGTAGCCACA
 TCACCTTGGATAGAAGCCCTCTTCGTGGGATTGCTAACCTGTCTAACTTCATCCGAGTTTACCCACCGT
 GAAGGTACCCAAACAGTCCCGACGTCAATGAACCAGGTGAACCTCACCTGCCGGGTGAGAGTTCTAC
 CCCGAGGATCTCCAGTCTGCTGGTGGAGAATGGAAACGTATCACGGAATGACACGCCCAAGAATCTCA
 CAAAGAACACGGATGGGACCTATAATTACACAAGCTTGTTCCTGGTGAATCATCTGCTCATAGAGAGGA
 CGTGGTGTTCAGTGCCAGGTGAAGCACGACCAACAGCCAGCGATCACCCGAAACCATACCGTCTGGGA
 TTTGCCACTCGAGTGATCAAGGGAGCATGCAAACCTTCCCTGATAATAATGCTACCCACAACCTGGAATG
 TCTTCATCGGTGTGGGCGTGGCGTGTCTTTCGTGCTGCTGCTGATGGCTGCTCTACCTCTCCG
 GATCAAACAGAAAGCAAGGCAAGGGTCAACATCTTCCACACGGTTGCACGAGCCGAGAAGAAGCCGAGG
 GAAATAACCCAGATCCAGGACACAAATGACATCAACGACATCACATACGACAGCTGAATCTGCCAAAG
 AGAAGAAGCCCGCACCCCGGCCCTGAGCCTAACAACACACAGAAATATGCAAGCATTGAGACAGGCAA
 AGTGCCTAGGCCAGAGGATACCTCACCTATGCTGACCTGGACATGGTCCACCTCAGCCGGGCACAGCCA
 GCCCCAAAGCCTGAGCCATCTTCTCAGAGTATGCTAGTGTCCAGGTCCAGAGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007547

Insert Size: 1530 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_007547.4</u> , <u>NP_031573.2</u>
RefSeq Size:	4031 bp
RefSeq ORF:	1530 bp
Locus ID:	19261
UniProt ID:	<u>P97797</u>
Cytogenetics:	2 63.19 cM
Gene Summary:	<p>Immunoglobulin-like cell surface receptor for CD47. Acts as docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function. Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) uses an alternate in-frame splice site in the 3' coding region, compared to variant 4, resulting in an isoform (1) that is shorter than isoform 3. Variants 1 and 8 both encode the same isoform (1).</p>