

Product datasheet for **MC228116**

Sirpa (NM_001291019) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sirpa (NM_001291019) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sirpa
Synonyms:	AI835480; Bit; CD172a; P84; Ptpns1; SHP-1; SHPS-1; SIRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228116 representing NM_001291019
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCGCCGGCCCGCCCTGGCCGCTAGGGCCGCTGCTGCTCTGCCTGCTGCTCTCCGCGTCT
 GTTCTGTACAGGAGCCACGGGAAGGAACTGAAGGTGACTCAGCCTGAGAAATCAGTGTCTGTTGCTGC
 TGGGGATTCGACCGTTCTGAAGTGCACCTTTGACCTCCTTGTGGCCGGTGGGACCCATTAGGTGGTACAGA
 GGAGTAGGGCCAAGCCGGCTGTTGATCTACAGTTTCGAGGAGAAATACGTTCTCGAATTAGAAATGTTT
 CAGATACTACTAAGAGAAACAATATGGACTTTCCATCCGTATCAGTAATGTCACCCAGCAGATGCTGG
 CATCTACTACTGTGTGAAGTTCAGAAAGGATCATCAGAGCCTGACACAGAAATACAATCTGGAGGGGGA
 ACAGAGGTCTATGTACTCGCAAACCTTCTCCACCGGAGGTATCCGGCCAGCAGACAGGGGCATACCTG
 ACCAGAAAGTGAAGTTCACCTGCAAGTCTCATGGCTTCTCTCCCGGAATATCACCTGAAGTGGTTCAA
 AGATGGGCAAGAACTCCACCCCTGGAGACCACCGTGAACCTAGTGAAAGAATGTCTCTACAACATC
 TCCAGCACAGTCAGGGTGGTACTAACTCCATGGATGTTAATTCTAAGGTCATCTGCGAGGTAGCCACA
 TCACCTTGGATAGAAGCCCTCTTCGTGGGATTGCTAACCTGTCTAACTTCATCCGAGTTTACCCACCGT
 GAAGGTACCCAAACAGTCCCGACGTCAATGAACCAGGTGAACCTCACCTGCCGGGTGAGAGGTTCTAC
 CCCGAGGATCTCCAGCTGATCTGGCTGGAGAATGGAAACGTATACGGAATGACACGCCCAAGAATCTCA
 CAAAGAACACGGATGGGACCTATAATTACACAAGCTTGTTCCTGGTGAACATCTGCTCATAGAGAGGA
 CGTGGTGTTCAGTGCCAGGTGAAGCACGACCAACAGCCAGCGATCACCCGAAACCATACCGTGTGGGA
 TTTGCCCACTCGAGTGATCAAGGGAGCATGCAAACCTTCCCTGATAATAATGCTACCCACAACCTGGAATG
 TCTTCATCGGTGTGGGCGTGGCGTGTCTTTGCTCGTAGTCTGCTGATGGCTGCTCTACCTCCCTCGG
 GATCAAACAGAAAGCAAGCCAGGGGTCAACATCTTCCACACGGTTGCACGAGCCCGAGAAGAACGCCAGG
 GAAATAACCCAGGTACAGTCTTTGATCCAGGACACAAATGACATCAACGACATCACATACCGAGACCTGA
 ATCTGCCCAAAGAGAAGAAGCCCGACCCCGGGCCCTGAGCCTAACCAACACACAGAATATGCAAGCAT
 TGAGACAGGCAAAGTGCTAGGCCAGAGGATACCTCACCTATGCTGACCTGGACATGGTCCACCTCAGC
 CGGGCACAGCCAGCCCCAAGCCTGAGCCATCTTCTCAGAGTATGCTAGTGTCCAGGTCCAGAGGAAGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001291019

Insert Size: 1542 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001291019.1</u> , <u>NP_001277948.1</u>
RefSeq Size:	4043 bp
RefSeq ORF:	1542 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 (4) represents the longest transcript and encodes the longest isoform (3). Both variants 4 and 5 encode isoform 3.</p>