

## Product datasheet for **MC228117**

### Sirpa (NM\_001291020) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sirpa (NM_001291020) 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:** >MC228117 representing NM\_001291020  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCCCGCCGGCCCGCCCTGGCCGCTAGGGCCGCTGCTGCTCTGCCTGCTGCTCTCCGCGTCTCT  
 GTTTCTGTACAGGAGCCACGGGGAAGGAACTGAAGGTGACTCAGCCTGAGAAATCAGTGTCTGTTGCTGC  
 TGGGGATTCGACCGTTCTGAAGTGCACCTTTGACCTCCTTGTGCGCGTGGGACCCATTAGGTGGTACAGA  
 GGAGTAGGGCCAAGCCGGCTGTTGATCTACAGTTTCGAGGAGAAACGTTCTCGAATTAGAAATGTTT  
 CAGATACTACTAAGAGAAACAATATGGACTTTCCATCCGATCAGTAATGTCACCCAGCAGATGCTGG  
 CATCTACTACTGTGTGAAGTTCAGAAAGGATCATCAGAGCCTGACACAGAAATACAATCTGGAGGGGA  
 ACAGAGGTCTATGTACTCGCAAACCTTCTCCACCGGAGGTATCCGGCCAGCAGACAGGGGCATACCTG  
 ACCAGAAAGTGAAGTTCACCTGCAAGTCTCATGGCTTCTCTCCCGGAATATCACCTGAAGTGGTTCAA  
 AGATGGGCAAGAACTCCACCCCTTGGAGACCACCGTGAACCTAGTGAAAGAATGTCTCTACAACATC  
 TCCAGCACAGTCAGGGTGGTACTAACTCCATGGATGTTAATTCTAAGGTCATCTGCGAGGTAGCCACA  
 TCACCTTGGATAGAAGCCCTCTTCGTGGGATTGCTAACCTGTCTAACTTCATCCGAGTTTACCCACCGT  
 GAAGGTACCCAAACAGTCCCGACGTCAATGAACCAGGTGAACCTCACCTGCCGGGTGAGAGGTTCTAC  
 CCCGAGGATCTCCAGCTGATCTGGCTGGAGAATGGAAACGTATCACGGAATGACACGCCCAAGAATCTCA  
 CAAAGAACACGGATGGGACCTATAATTACACAAGCTTGTTCCTGGTGAACATCTGCTCATAGAGAGGA  
 CGTGGTGTTCAGTGCCAGGTGAAGCACGACCAACAGCCAGCGATCACCCGAAACCATACCGTGTGGGA  
 TTTGCCCACTCGAGTGATCAAGGGAGCATGCAAACCTTCCCTGATAATAATGCTACCCACAACCTGGAATG  
 TCTTCATCGGTGTGGGCGTGGCGTGTCTTTGCTCGTAGTCTGCTGATGGCTGCTCTCTACCTCCTCCG  
 GATCAAACAGAAAGCAAGGGTCAACATCTTCCACACGGTTCACGAGCCCGAGAAGAACGCCAGG  
 GAAATAACCCAGGTACAGTCTTTGATCCAGGACACAAATGACATCAACGACATCACATACCGAGACCTGA  
 ATCTGCCCAAAGAGAAGAAGCCCGACCCCGGGCCCTGAGCCTAAACAACACACAGAATATGCAAGCAT  
 TGAGACAGGCAAAGTGCCTAGGCCAGAGGATACCTCACCTATGCTGACCTGGACATGGTCCACCTCAGC  
 CGGGCACAGCCAGCCCCAAGCCTGAGCCATCTTCTCAGAGTATGCTAGTGTCCAGGTCCAGAGGAAGT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Chromatograms:** [https://cdn.origene.com/chromatograms/ja3304\\_g12.zip](https://cdn.origene.com/chromatograms/ja3304_g12.zip)
- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001291020
- 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001291020.1, NP_001277949.1</u>
<b>RefSeq Size:</b>	3845 bp
<b>RefSeq ORF:</b>	1542 bp
<b>Locus ID:</b>	19261
<b>UniProt ID:</b>	<u>P97797</u>
<b>Cytogenetics:</b>	2 63.19 cM
<b>Gene Summary:</b>	<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 (5) differs in the 5' UTR compared to variant 4. Both variants 4 and 5 encode isoform 3.</p>