

Product datasheet for MC218099

Sirpa (NM_001177646) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sirpa (NM_001177646) 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)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001177646, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCCGCCGGCCCGCCCTGGCCGCTAGGGCCGCTGCTGCTCTGCCTGCTGCTCTCCGCGTCCT
GTTTCTGTACAGGAGCCACGGGGAAGGAAGTGAAGGTGACTCAGCCTGAGAAATCAGTGTCTGTTGCTGC
TGGGGATTTCGACCGTTCTGAAGTGCACCTTTGACCTCCTTGTGGCGGTGGGACCCATTAGGTGGTACAGA
GGAGTAGGGCCAAGCCGGCTGTTGATCTACAGTTTCGAGGAGAATACGTTCTCGAATTAGAAATGTTT
CAGATACTACTAAGAGAAACAATATGGACTTTTCCATCCGATCAGTAATGTCACCCAGCAGATGCTGG
CATCTACTACTGTGTGAAGTTCAGAAAGGATCATCAGAGCCTGACACAGAAATAACAATCTGGAGGGGGA
ACAGAGGTCTATGTACTCGCCAAACCTTCCACCGGAGGTATCCGGCCAGCAGACAGGGGCATACCTG
ACCAGAAAGTGAAGTTCACCTGCAAGTCTCATGGCTTCTCTCCCGGAATATCACCTGAAGTGGTCAA
AGATGGGCAAGAACTCCACCCCTTGGAGACCACCGTGAACCTAGTGAAAGAATGTCTCTACAACATC
TCCAGCACAGTCAGGGTGGTACTAACTCCATGGATGTTAATTCTAAGGTGATCTGCGAGGTAGCCACA
TCACCTTGGATAGAAGCCCTCTTCGTGGGATTGCTAACCTGTCTAACTTCATCCGAGTTTACCCACCGT
GAAGGTCAACCAACAGTCCCGACGTCAATGAACCAGGTGAACCTCACCTGCCGGCTGAGAGGTTCTAC
CCCGAGGATCTCCAGTGTCTGGCTGGAGAATGGAAACGTATCACGGAATGACACGCCCAAGAATCTCA
CAAAGAACACGGATGGGACCTATAATTACACAAGCTTGTCTCTGGTGAAGTCACTGCTCATAGAGAGGA
CGTGGTGTTCAGTGCAGGTGAAGCAGCACGACCAACAGCCAGCGATCACCCGAAACCATACCGTGTGGGA
TTTGCCCACTCGAGTGATCAAGGGAGCATGCAAACCTTCCCTGATAATAATGCTACCCACAAGTGAATG
TCTTCATCGGTGTGGCGTGGCGTGTGCTTTGCTCGTAGTCTGCTGATGGCTGCTCTACCTCTCCG
GATCAAACAGAAGAAAGCCAAGGGGTCAACATCTTCCACAGGTTGCACGAGCCGAGAAGAAGCCAGG
GAAATAACCCAGATCCAGGACACAAATGACATCAACGACATCACATACGCAGACCTGAATCTGCCAAAG
AGAAGAAGCCCGACCCCGGCCCTGAGCCTAACACACACAGAAATATGCAAGCATTGAGACAGGCAA
AGTGCCTAGGCCAGAGGATACCTCACCTATGCTGACCTGGACATGGTCCACCTCAGCCGGGCACAGCCA
GCCCAAAGCCTGAGCCATCTTCTCAGAGTATGCTAGTGTCCAGGTCCAGAGGAAGTGA

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001177646
Insert Size:	1530 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).
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:	BC062197 , AAH62197
RefSeq Size:	3624 bp
RefSeq ORF:	1530 bp
Locus ID:	19261
Cytogenetics:	2 63.19 cM
Gene Summary:	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]