

Product datasheet for MR216053

Sipa1 (NM_011379) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sipal (NM_011379) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sipal
Synonyms: Spa1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216053 representing NM_011379
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTGGGCGCGGTGTGGGAGCCCTCGGCGGGCATGGCCCTGCACCTACCGATGACCTCTTTGCC
 GTAAGCTTCGCCAACCTGCCCGCCCCACTGACACCACATACCTTTGAGCCGAGGCCAGCTCGGGGCC
 ACTTTGCGCAGTGGCAGTGATGCTGGTGAAGTCCGGCCCCACACCAGCCAGCCCCGTGCCCGTGC
 CACAGCCAGGAGTCCAGCCGCCCTGCTGCAACCCCTACTCGGCTTCTACTGACCCACTGGCACTGC
 TAGGGTTGCCAGAGAAGAGCCAGAGCCACCTTCCCAGTGTGGAACCCCGTGGTTTGTCTACTA
 TGATGTGCAGAGCTTGTCTTTGACTGGCTCCAGACCTCGGGGACAGGCAGCCATATAGAGGCAAC
 TCTGGGACCTTAGCTGAGGGCCAGACTACCACCTCAGATCTACTGCTCGGGGACCTGGCTTTGTGAGCG
 AGCTTGGTGGTGAAGGTGAGCTAGGGCTGGGTGGGCAATATCCCCACCTGTGCCCTGCACTGCCTAA
 TGCGGCTGTGTCCGTCTGGAGGAGCCACAGCCCGGACCACAGCTTACAGCCTGGAGCAGCAGATCTG
 GGTGCAGGCTACTACCGCAAGTACTTCTATGGCAAAGAACCAGAACTCTTTGGGCTGGATGAGGCGC
 TGGGTCCGGTGGCCGTGAGCCTGCGACGGGAGGAGAAAGAGGGCAGCGGAGGGGGCACCTACACAGCTA
 CCGGGTTCATCGTCCGACCACGAGCTCCGACCCTCCGTGGCACCATCTCGAGGACGCACTGCCTCCC
 GGCCCCCGAGGGGCTATCTCCGAGGAAGCTTCTGGAACATGTGGCTCCACGGCTGAGCCCCACCTGCC
 TCGCCTGGTTACGCTCTCCAAGGTGCCCGCAGCTGCTTACTCTGGATGAGCAAGTGTGAGCTT
 CCAACGCAAGGTGGGCATCCTGTACTGCCGCGCAGGCCAGGGCTCTGAGGAAGAGATGTACAACAACCAG
 GAGGCCGAGCAGCCTTATGCACTTCTTACCTTGTGGGTGATGTGGTGCAGCTCAAAGGCTTTGAAA
 GTTACCGGGCCAGCTGGATACAAAACGGATTCCACGGGCACACACTACTCTACACCCTACCAAGA
 CCATGAGATCATGTTTACAGTGTCCAGATGCTGCCTTACACGCCTAATAACCAGCAACAGCTCCTGAGG
 AAGCGTCATATCGCAACGATATTGTGACCATCGTGTCCAGGAGCCCGTAGCAAGCCCTTCTGCCCTA
 CGACAATCCGCTCTCACTCCAGCACGTTTTCTGGTGGTGCCTGCGCATGCTCCCTGCACCCACACAC
 CTCATACAGGTGGCAGTGAGCCGACCCAGGACTCCTGCCTCGGTCTGCGCTGCCAGAAGGCGGA



[View online >](#)

GGCCCCTTTCAGCCAATGCCGATTTCCGGGCCTTCTGTTGGCTAAGGCACTCAATGGTGAGCAAGCGG
 CTGGTCATGCACGCCAGTTCACGCCATGGCTACACGCACACGCCAACAGTACCTGCAGGACCTGGCTAC
 TAATGAAGTGACCACTACTTCGCTGGACTCGGCTTCGCGGTTTGGCTGCCATCTCTGGGGGTAGGCGC
 CGGGCAACCCCTCGGAGCCAGGCGCGGAGCTACAGGCGCGGGTGCCTGATGTGGGCGTACGCGCGG
 CTCCAGGGGCGCGGTGCGAGCGGGAGCTGAAACGAGCGGTCCGGAGGACGCCAGGTGCCCTGCTTGT
 GGGCATCTCAGCAGAGACTGGTGTGGTGGCACCTCGCGACGCCCGTGGTCTTCAATTGTGCCTGT
 CGCGAGTATTGGCCTGGACCTTCTCAGAGCACTCACTGTACCACGGGCGGGGAGGCGATCA
 CGCTGCGGCTCGACGGGCCCCAGGGCAAGCCGTGGGCGAAGTCTGGCACGTCTGCAGCTGGTGAGCCG
 CGGGTGTGAGACCAGAGAACTAGCGCTGCCAGAGATGGCCAAGGTGCCTGGGCTTCGAGGTGGATGCA
 GAAGGCTTCATCACGCACGTGGAGCGCTTACGTTTTCGGAGACCACGGGCTTCGGCTGGAGCTCGTT
 TGCTGCGAGTCTGCGCCAGACGCTGCCAAGCTGGGTCCGAAGCTGCTGCCAGATGCTGCGCTCTGC
 GCCAAGTCTGCGTACGGTCTACCCCCAGACGAGAGCGGCCGCGGAAGGAGCTTTTCGGAGCTC
 TATATGCTCTCTGAAGGAACCCAGCCGGCGGGGGTCCAGAGCCAGTACAGGATGAACTGGGAAGT
 TGGTCATATTGCCTCCCACCAAGCAGCTGTACATTTTTCGCTGAAAGACAGCAGAGTCTCCGGGGCC
 TGGGATCTGACTGAGGAGAGGACAGATTCTCGCAGCCACAACCTCCCTGTCATCTGGAAGTCCCTG
 TCCGATGAGGCTCCAGTCTGCCAACACCACTCCAGACCTCCTCTGTACCAGTCCCAACCCATCTG
 CACCTGGTACTGACAGAGAAACACCCCTTCCAGGACCAGTCAAGAACCCAGTAGCCATGAAGACAC
 CAGTGAAGTGCAGGAGGAGTGGAGGCTCCATCTGCCAGAACCTTGTCTGCGGAATTCCATCAGT
 AAGATTATGTCGGAAGCTGGCAGTGGAGCCCTGGAGGATGAGTGGCAGTCCATCTCAGAGATCGCTCCA
 CTTGCAACACAATTCTGGAGTCACTGTCCCGGGAGGGACAACCCATCTCAGAGAGCGGAGACCCCAAGGA
 AGCTTTAAAGTGTGATTCTGAGCCAGAACCAGGAGCTGTCAGAAAAGTCTCTCACCTAGAGTCCATG
 CTCTGGAAGTCCAGGAGACCTGCAGAGGGAGAAGGCGGACAGGGCAGCCTTGGAGGAGGAGTTCGGA
 GCCTCAGACACAACAACCAGAGGCTGCTGGCAGAGTCCGAGAGTCCGCCACCCGCTGCTCTGGCCTC
 TAAGCATCTGGTGCACCCACTACTGACCTGGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216053 representing NM_011379

Red=Cloning site Green=Tags(s)

MWAGGVGSPRRGMAPPTDDL FARKLRQPARPPLTPHTFEPRPARGPLLRSGSDAGEVRRPPTPASPRARA
 HSHEDASRPAATPTRLFDPLALLGLPAEEPEPTFPVLEPRWF AHYDVQSLLDWAPRPRGTGSHIEAN
 SGTLAEGQTTSDLLL GAPGFVSELGGEGELGLGGPISPPVPPALPNAAVSVLEEPQTRTTAYSLEHADL
 GAGYYRKYFYGKEHQNFGLDEALGPVAVSLRREEKEGSGGGTLHSYRVIVRTTQLRTLRTGTSI SEDALPP
 GPPRGLSPRKLLEHVAPRLSPTCLRLGSASPKVPRTLL TLDEQVLSFQRKVGILYCRAGQGSEEMYNQ
 EAGAAFMQFL TLLGDVRLKGFESYRAQLDTKTDSTGTHSLYTTYQDHEIMFHVSTMLPYTPNNQQLLR
 KRHIGNDIVTIVFQEPGSKPFCPTTIRSHFQHVFLVVRHAPCTPHTSYRVAVSRTQDTPAFGPALPEGG
 GPFAANADFRALLAKALNGEQAAGHARQFHAMATRTRQYLQDLATNEVTTTSLDSASRFGLPSLGGRR
 RATPRSPGAELQAAGALMWGVRAAPGARVAAGAETS GPEDAEVPCLLGISAETLVLVAPRDGRVVFNCAC
 RDVLAWTFSEHQLDLYHGRGEAITLRLD GAPGQAVGEVVARLQLVSRGCETRELALPRDQGRLGFEVDA
 EGFITHVERFTFAETTGLRPGARLLRVCGQTL PKLGPEAAQMLRSAPKVCVTVLPPDESGRPRRSFSEL
 YMLSLKEPSRRGGPEPVQDETGLKLVILPPTKQLLHFLCKDSSPPGPGDLTEERTEFLRSHNSLSSGSSL
 SDEAPVLPNTTPDLLLVTTANPSAPGTDRETPPSQDQSGSPSSHEDTSDSGPELRASILPRTL SLRNSIS
 KIMSEAGSETLEDEWQSI SEIASTCNTILESLSREGQPISESGDPKEALKCDSEPEPGLSEKVSHLESM
 LWKLQEDLQREKADRAALEEEVRS LRHNNQRLLAESESAATRLLLASKHLGAPTTDLA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9094_h08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011379

ORF Size: 3114 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:
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: [NM_011379.4](#), [NP_035509.4](#)

RefSeq Size: 3837 bp

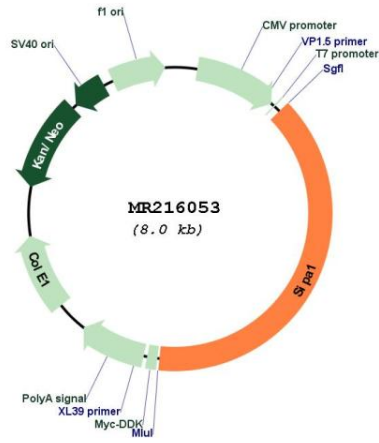
RefSeq ORF: 3117 bp

Locus ID: 20469

Cytogenetics: 19 4.34 cM

MW: 112.2 kDa

Product images:



Circular map for MR216053