

Product datasheet for **RR200994**

Sipa1 (NM_001004089) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sipal (NM_001004089) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sipal
Synonyms: Spa1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200994 representing NM_001004089
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGTGGGCGGCGGTGTGGGAGCCCTCGGCGGGGCATGGCCCTGCACCTACCGATGACCTCTTTGCC
 GTAAGCTGCGCAACCCGCCCGCCCTGACACCACATACTTTGAGCAAGGCCAGCTCGGGGCC
 ACTCCTGCGCAGTGGCAGTGATGCTGGTGAAGTCCGGCCTCTACACCAGCCAGCCCCGTGCCCGTGC
 CACAGCCATGAGGATACCAGCCGCTGCTGCAACCCCTACTCGGCTCTCACTGACCCACTGGCACTAC
 TGGGGTTGCCAGCTGAGGAGCCAGAGCCACCTTCCCACCAAGTGTAGAACCCTGATGGTTTGTCTACTA
 CGATGTGCAGAGCTTGTCTTTGACTGGGCTCCACGACCTCGGGCGACAGGCAGCCATACCGAGTCTAAC
 TCTGGGACTCTGGCCTTAGCTGAGGACCAGACTACCACCTCAGATCTACTGCTCGGGCACCTGGCTTTG
 TGAGCGAGCTTGGTGGGAGGGTGTAGCTAGGGCTGGGTGGACCAATATCCCCACCTGTGCCCCCTGCACT
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 CAGTTATCGGGTATCGTACGGACCAGCAGCTCCGGACTCTCCGTGGCACCATCTCGGAGGATGCACTG
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 CCTGCCTGCGCCTGGGTTGAGCCTCTCCAAGGTGCCCGCACGCTGCTTACTCTAGATGAGCAAGTGT
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 AACCGAAGCCGAGCAGCCTTATGCAAGTCTCACCTGCTGGGTGATGTGGTGGCACTCAAAGGCT
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 CTGAGGAAGCGTCATATCGGCAATGATATTGTGACCATCGTGTCCAGGAGCCGGTAGCAAGCCCTTCT
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AAGCGCCGGTCAATGCACGCCAGTTCCACGCCATGGCTACACGCACACGTCAACAGTACCTGCAGGACCT
 GGCTACTAATGAAGTGACCACTACTTCGCTGGATTTCGGCTTCGCGGTTTGGCCTACCATCTCTGGGGGGC
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 ATCAGTAAATATGTCAGAAGCCGGCAGCGAGACCCTGGAGGATGAGTGGCAGTCCATCTCAGAGATCG
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 CAAGGAACTTCAAAGTGAATTTCTGAGCCAGAACCTGGGAGCCTGTGAGAAAAGTCTCTCACCTAGAG
 TCCATGCTGAGGAAGCTCCAGGAGGACCTGCAGAGGGAGAAGCGGACAGGGCAGCCCTGGAGGAAGAGG
 TTCGAGCCTCAGACACAACAACCAGAGGCTGTGGCGGAGTCAAGAGTGGCCACCCCGCTGCTCT
 GGCTTAAGCAGCTGGTTACCCACTACTGACCTTGCC

ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200994 representing NM_001004089
 Red=Cloning site Green=Tags(s)

MWAGGVGSPRRGMAPPTDDL FARKLRQPAPPLTPHTFEPRPARGPLLRSGSDAGEVRPPTPASPRARA
 HSHEDTSRPAATPTRLFTDPLALLGLPAEEPEPTFPPVLEPRWF AHYDVQSL LFDWAPRPRATGSHTESN
 SGTLALAEQTTTSDLLL GAPGFVSELGGEGELGLGGPI SPPVPPALPNASVSVLEEPQTRTTAYSLEHA
 DLGAGYYRKYFYGKEHQNFGLDEALGPVAVSLRREEKEGSGGTLHSYRVIVRTTQLRTLRTI SEDAL
 PPGPPRGLSPRKLEHVAPRLSPTCLRLGSASPKVPTLLTLDEQVLSFQRKVGILYCRAGQGSEEMYN
 NQEAGAAFMQFLTLLGDVVRLKGFENYRAQLDTKTDSTGAHSLYTTYQDHEIMFHVSTMLPYTPNNQQQL
 LRKRHIGNDIVTIVFQEPGSKPFCPTTIRSHFQHVFLVVR AHAPCTPHTSYRVAVSRTQDTPAFGPALPE
 GGGPFAANADFRAFL LAKALNGEQAAGHARQFHAMATRTRQQYLQDLATNEVTTTSLDSASRFGLPSLGG
 RRRATPRSPGAELQAAGALMWGVRAAPGARVSAG AETGGPDHAEVPCLLGISAETLVLVTPRDGRVVFNC
 ACRDVLAWTFSDHQLDLYHGRGEAITLRLDGAPGQAVGEVVARLQLVSRGCETRELALPRDQGRLGFEV
 DAEGFITHVERFTFAETTGLRPGARLLRVCGQTL PKLGPEAAQMLRSASKVCVTVLPPDESGRPRRSFS
 ELYTSLKEPSRRAAPEPEQDETEKLVTLPAKQLLHFCLKDGGSPPGPGDLTEERTEFLHSHNSLSPRS
 SMSDEAPVLPNTTPDLLLVAVTTLAPGTDRET PPSQDQSGSSSHEDTSDSAPELRASILPRTL SLRNS
 ISKIMSEAGSETLEDEWQSI SEIASTCNTILESLSREGQPILES GPKETSKCNSEPEPGSLSEKVSHLE
 SMLRKLQEDLQREKADRAALEEEVRS LRHNNQRLLAESESAATRLLLASKQLGSPTTDLA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

| | |
|-------------------------------|---|
| 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: | <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_001004089.1, NP_001004089.1</u> |
| RefSeq Size: | 3123 bp |
| RefSeq ORF: | 3123 bp |
| Locus ID: | 361710 |
| Cytogenetics: | 1q43 |
| MW: | 112.6 kDa |