

Product datasheet for **MC224923**

Sipa111 (NM_172579) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sipal11 (NM_172579) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sipal11
Synonyms: 4931426N11Rik; AW213287; mKIAA0440; Spar
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224923 representing NM_172579
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCAGTTTGAAGCGGTGCGAGACCGAAAGACCTGTCACCGCTGACAGAGCCTCTGTTGTCAGCACAG
ATGGCGCCCCAAAGTCCACACCGATGACTTCTACATGCGTCGCTCCGCTCTCAGAATGGCAGCCTAGG
ATCATCAGTCATGGCTGCAGTGGGGCCCCCTCGAAGTGAAGGCCCTCACCATATCACCTCAACCCCGGG
GTCCCAAGATGGGGTTAGGGCAAGAATAGCAGATTGGCCTCCGAGAAAAGGAAAATGTAAAAGAATCCA
GCCGTTCAAGCCAGGAAATAGAAACCTCAAGTTGCCTTGAGAGCCTGTCCCTCAAAGGCAGTCTGTGAG
TCAGGGGAGTTCTGTTAGCCTCAATTCCAATGACTCAGCCATGCTGAAGAGCATAAGAACACCTGAAG
AACAGACAGGGCCAGCGGAGAGCATGGACTCCAGATTCTCATGCTGAAGCCTACCCAGTTCACCCCA
GGAAAGCCTTCGCAGAATTCGGCAGCGCAGCAACAGTGATATCACCATAAGTGAGCTTGATGTGGATAG
CTTCGATGAATGTATCTCCCAACCTACAAGTCGGGGCCATCATTGCACAGGGAATATGGCAGCACATCT
TCAATCGACAAGCAGGGAACATCCGGAGACAGCTTCTTCGATTTGTTAAAGGGCTATAAAGATGACAGAT
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CTCCTTGATGTGATCGATGGCCCATCTCACAGAGAGAGAACCTCAGGCTTTTCAAGGAAAGGAAAAA
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GTGAAGAAGTTCGGGAAATCATCAGACCTTGAAGACAACAGATCAGAAGATTCTGTGAGGCCCTGGACATG
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CATAATGTGATTAAGAGGAGAAACACCACAACAGGAGCTTCGGCGGCTGCGGTGGCATCCTTGGTCTCCG
GACCTCTGTCTCACTCAGCCAGCTTCAGCTCTCCATGGGCAGCACAGAGACCTCAACTCAAAGGAAG
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TATTACAGGAAGTTCTTCTACCAGAAGGAACACTGGAACATTTTGGGGCTGATGAGAACCTCGTCCAG



TGGCTGTGAGCATTTCGAAGGGAAAAACCGAAGACATGAAGGAAAACGGATCTCCATACAACCTACCGAAT
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 GAACTATCAGCAGAAAGTAGGCATCATGTACTGCAAAGCAGGCCAGAGCAGGAGGAGATGTACAAC
 AACGAGTCTGCAGGCCAGCCTTTGAGGAGTTCCTTCAGCTGCTGGGGAAACGAGTCCGGCTAAAAGGAT
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 GGCTACGCATGGCAAGCAGGGCTGAGGCAGGGCAGCCGCTGGTGGAGATCTGCAAGGTAGCAGTGGCCA
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 ATGGGGACCGCACGGAGTCCGACCTCAACAGCTACAACCTACACAGGGCACGTCTGCCGACAGCGGGAT
 TGACACCGCCCTCTACGGCCCCAGCATTGGCAGCACGGCTCCCTGGGGGCTCCACATCCTCACCTCGT
 TCAGGGCCAGGCAAGAAAAGGTGGCTCCCCTGTGGCACAGTCCAGTGAAGTGTCTCCCTGGCAGATC
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 CAAGAGCCAGGGCGGGTCAAGCCCGTGGCAGGGAGAACAGCACCTTACGATAAATGATGCTGCGTCC
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 AAGAGGAGCTTACCCCCACCGCATCCTCCAGCTCGCACCGTCTTTTCTCTTCTTCTCATCCTCCTC
 TGGACCTAGGACTTTCTACCCTCGCCAGGGCGCCACTAGCAAATATCTGATTGGATGGAAAAAGCCAGAA
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 GCACTGTCTCCCGCAGTCCCCGTTCCCACTACCCCTACCTCCGGCGGGCCCTGCACAGGACTCTGT
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 CCTGCCAACGATGTCTCTTCCAGCAGTACCTACCCATCTCTCCCAAGTCACTTCCACTGAGGAGGCCA
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 AGGAGACCCGAAGGCAGCCTATCCCTGACCCTGGCCTGATGCCCTGCCTGATGCAGCTTCAAGTTTGA
 CTGGTCCAACCTAGTAGATGCCGCCAAGCCTATGAGGTCCAGAGAGCCTCATTTTTTGTGCTAGTGTAT
 GAAAACCATCGCCCCCTGAGCGCGGCTCCAACAGTGACCAGCTGGAGGAGCAGGCCCTGGTCCAGATGA
 AGTCTACAGCAGTAAGGACCCCTCTCCACTCTGGCTTCAAGTGGACCAGCTGGAAGGTATGCTGAA

AATGCTTCGAGAAGATTTGAAGAAGGAAAAAGAAGACAAGGCCAGCTGCAGGCGGAAGTTGAGCACCTG
 CGGGAGGACAACCTGAGGCTGCAGGAGGAGTCCCAGAACGCCTCGGACAAGCTGAAGAAGTTCACAGAGT
 GGTCTTCAACACCATAGACATGAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_172579
- Insert Size:** 5349 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:**
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_172579.3](#), [NP_766167.2](#)
- RefSeq Size:** 7508 bp
- RefSeq ORF:** 5349 bp
- Locus ID:** 217692
- UniProt ID:** [Q8C0T5](#)
- Cytogenetics:** 12 D1
- Gene Summary:** Stimulates the GTPase activity of RAP2A. Promotes reorganization of the actin cytoskeleton and recruits DLG4 to F-actin. Contributes to the regulation of dendritic spine morphogenesis (By similarity).[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) encodes the longer isoform (1).