

Product datasheet for MC224597

Sipa1l1 (NM_001167983) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sipa1l1 (NM_001167983) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sipa1l1
Synonyms:	4931426N11Rik; AW213287; mKIAA0440; Spar
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224597 representing NM_001167983 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCAGTTTGAAGCGGTCGACAGCCGAAAGACCTGTCACCGCTGACAGAGCCTCTGTTGTCAGCACAG
 ATGGCGCCCCAAAGTCCACACCGATGACTTCTACATGCGTCGCTTCCGCTCTCAGAATGGCAGCCTAGG
 ATCATCAGTCATGGCTGCAGTGGGGCCCCCTCGAAGTGAAGGCCCTCACCATATCACCTCAACCCCGGG
 GTCCCCAAGATGGGGTTAGGGCAAGAATAGCAGATTGGCCTCCGAGAAAGGAAAATGTAAAGAATCCA
 GCCGTTCAAGCCAGGAAATAGAAACCTCAAGTTGCCTTGAGAGCCTGTCTCCAAAGGCAGTCCTGTGAG
 TCAGGGGAGTTCTGTTAGCCTCAATTCCAATGACTCAGCCATGCTGAAGAGCATACAGAACACCCTGAAG
 AACAAGACAGGGCCAGCGGAGAGCATGGACTCCAGATTCTCATGCCTGAAGCCTACCCAGTTCCCCCA
 GGAAAGCCCTTCGAGAATTCGGCAGCGCAGCAACAGTGATATCACCATAAGTGAGCTTGATGTGGATAG
 CTTGATGAATGTATCTCCCAACCTACAAGTCGGGGCCATCATTGCACAGGGAATATGGCAGCACATCT
 TCAATCGACAAGCAGGGAACATCCGAGACAGCTTCTTCGATTTGTTAAAGGGCTATAAAGATGACAGAT
 CTGACCGAGGTCCAACCTCAACCAAACTCAGTGACTTCCTCATCACTGGTGGGGCAAGGGTTCTGGTTT
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 CCACTCAAGCGACGCTCTAAGTCTGAGACTGGAGACTCGTCCATTTTTCGTAATTCGCAATGCCAAAG
 GTGAAGAACTCGGAAATCATCAGACCTTGAAGACAACAGATCAGAAGATTCTGTGAGGCCCTGGACATG
 TCCAAAGTGCTTTGCCCACTATGATGTCCAGAGCATATTGTTTGACTTGAATGAAGCCATTATGAACAGA
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 GACCTCTGTCTCACTCAGCCAGCTTCAGCTCTCCATGGGCAGCACAGAGGACCTCAACTCCAAAGGAAG
 CCTTGGCATGGACCAGGAGATGACAAGAGCAATGAAGTCTCATGAGCTGTCCGATTTTTCGGAATGAG
 ATTGGGGGAGAAGGTGAGAGGAAGATCAGCCTGTCCAAGTCGAATTCTGGCTCATTTAGTGGGTGTGAGA
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 GGAAAGCTTGATGCTGCATCTGGACAGGTGAAAAGGTACACCGTGAACACGTGGATCTTGGCGCATAC


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TATTACAGGAAGTTCTTCTACCAGAAGGAACACTGGAACATATTTGGGGCTGATGAGAACCTCGGTCCAG
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GAACTATCAGCAGAAAGTAGGCATCATGTACTGCAAAGCAGGCCAGAGCACGGAGGAGAGATGTACAAC
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TGACACCGCCTCTACGGCCCCAGCCATGGCAGCACGGCTCCCTGGGGGCTCCACATCCTCACCTCGT
TCAGGGCCAGGCAAGAAAAGGTGGCTCCCCTGTGGCACAGCTCCAGTGAAGTGTCTCCCTGGCAGATC
GGACCTTAGAGACTGAGGGCCACGGCATGGACAGGAAAGCAGAGTCCCTCCCTGAGCCTGGACATCCACAG
CAAGAGCCAGGGCGGGTCAAGCCCGCTGAGCAGGGAGAACAGCACCTTCAGCATAAATGATGCTGCGTCC
CACACCATACCATGAGTCCCGACACTCTGCCAGCCAGTGGTATTCTCCAGTGCCAGAAGTTCCCCCA
AAGAGGAGCTTACCCCAACGCATCCTCCAGCTCGCACCGTCCCTTTCTCTTCTCTCATCCTCCTC
TGGACCTAGGACTTTCTACCCTCGCCAGGGCGCCACTAGCAATATCTGATTGGATGAAAAAGCCAGAA
GGAACCATTAACCTCCGTGGGATTTATGGACACACGAAAGCGACATCAGAGTGTGGCAATGAGATAGCCC
ACACTAGGCTTCGAGCCTCAACCAGGGACCTGCAGGCATCCCCAAAGCCGACCTCCAAGTCTACCATTTGA
GGAAGATCTAAAGAACTCATCGACCTTGAGAGCCCAACTCCGAATCCAGAAGAATTTCAAGTCCAT
GCACTGTCTCTCCCGCAGTCCCCGTTCCCACTACCCCTACCTCCCGCGGGCCCTGCACAGGACTCTGT
CAGATGAGAGCATTTACAGCAGCCAGAGGGAGCATTTTCTCACCTCCAGGGCTTCGCTTCTAGACCAAGC
CCTGCCCAACGATGTCTCTTACAGCAGTACCTACCCATCTCTCCCAAGTCACTTCCACTGAGGAGGCCA
TCTTACACGTTGGGAATGAAGTCATTGCATGGAGAGTTCTCTGCCTCGGACAGCTCCCTACCGACATCC
AGGAGACCCGAAGGCAGCCTATCCCTGACCCTGGCCTGATGCCCTGCCTGATGCAGCTTCAGATTTGGA
CTGGTCCAACCTAGTAGATGCCGCCAAAGCCTATGAGGTCCAGAGAGCCTCATTTTTTGTGCTAGTGAT
GAAAACCATCGCCCCCTGAGCGCGGCTCCAACAGTGACCAGCTGGAGGAGCAGGCCCTGGTCCAGATGA

AGTCCTACAGCAGTAAGGACCCCTCTCCCACTCTGGCTTCTAAGGTGGACCAGCTGGAAGGTATGCTGAA
AATGCTTCGAGAAGATTTGAAGAAGGTAATGCTCTCAGAAAAAGAAGACAAGGCCAGCTGCAGGCGGA
AGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001167983
Insert Size:	5256 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001167983.1, NP_001161455.1</u>
RefSeq Size:	7717 bp
RefSeq ORF:	5256 bp
Locus ID:	217692
UniProt ID:	<u>Q8C0T5</u>
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 (2) uses an alternate donor splice site at the penultimate coding exon compared to variant 1, resulting in a frame-shift, and a shorter isoform (2) with a distinct C-terminus compared to isoform 1.