

Product datasheet for SC109764

SIPA1 (NM_006747) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIPA1 (NM_006747) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIPA1
Synonyms:	SPA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109764 sequence for NM_006747 edited (data generated by NextGen Sequencing)

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ATGCCCCATGTGGCCGGCGGTGTGGGGAGCCCTCGGCGGGCATGGCCCCGCGTCCACA
GATGACCTCTTTGCCCGCAAGCTGCGCCAGCCAGCAAGGCCCGCTGACACCGCACACC
TTCGAGCCGAGGCCAGTCCGGGGCCCACTCTGCGCAGCGGCAGCGATGCAGGCGAGGCC
AGGCCCCACAGCCAGCCAGCCCCGTCGCCGTGCCACAGCCACGAAGAGGCCAGCCGA
CCTGCAGCCACTTCCACCCGGCTCTTCACTGACCCGCTGGCACTGCTGGGGCTGCCAGCA
GAGGAACCAGAGCCTGCCTTCCACCAGTGCTTGAGCCTCGATGGTTTGCCCACTATGAC
GTGCAAAGCCTGCTTTTGATTGGGCTCCGAGGTCTCAGGGGATGGGGAGCCACTCAGAG
GCCAGCTCTGGGACCCTGGCTTCCAGCCGAGGACCAGGCTGCCAGCTCGGACCTGCTGCAT
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GCATCCCCACCTGTGCCCTGCACTGCCAACGCGGCCGTGTCCATCCTGGAGGAGCCA
CAGAACCGAACCTCGGCCTACAGCCTGGAGCACGACACCTGGGTGCTGGCTACTACCGC
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CAGGACACCCCTGCCTTCGGGCCAGCTCTGCCTGCTGGCGGAGGCCCTTCGACGCCAAC

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GCCGACTTCCGGGCTTCTCTGCTGGCCAAAGCGCTGAATGGTGAGCAGGCGGCCGCCAC
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 ACCAACGAGGTGACCACTACGTCGCTGGACTCGGCTTACGCTTCGGCCTGCCCTCCCTG
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 GGCATTGGGACCTGGAGGACGAGTGGCAGGCCATCTCGGAGATTGCCTCTACTTGAAC
 ACCATTGAGTCTGCTGCCCCGAGAGGACAGCCATCCAGAGAGTGGAGACCCTAAG
 GGAACCTCCAAAATCTGATGCTGAGCCAGAGCCTGGGAACCTCTCAGAGAAGGTCTCTAC
 TTGGAGTCCATGCTCAGGAAGCTGCAGGAGGACCTGCAGAAGGAGAAGGCCGACAGGGCG
 GCCCTGGAGGAGGAGGTGCGGAGCCTGAGACACAACAACCGCGGCTGCAGGCGGAGTCT
 GAGAGTGCAGCCACACGCTCTCTGCGCTCCAAGCAGCTGGGCTCACCCACCGCCGAC
 CTGGCCTGA

Clone variation with respect to NM_006747.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006747 unedited
 CCCCATTACCCCGCCGTTGACGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT
 ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTTGCAGCG
 GCCCGAATTTCGGCACGAGGGCGCCGGGAGCGGTAGCGGGAGAGCGGCAGCGGGACCCCA
 GCGCGGGCGGGCGGCTGGGCGGAGCCCCAGAGGGCAGGAAGTGTGCCACAACCTCA
 GGCTGGGCACAAACACCCGTGCCCGCAATGCGGCCAGCCCCGGAGAGTCAAGCCCCA
 CAGAGCATGCCCATGTGGCCGCGGTGTGGGAGCCCTCGGCGGGCATGGCCCTGCG
 TCCACAGATGACCTCTTTGCCCGCAAGCTGCGCCAGCCAGCAAGGCCCGCTGACACCG
 CACACCTTCGAGCCGAGGCCAGTCCGGGGCCACTCCTGCGCAGCGGCAGCGATGCAGGC
 GAGGCCAGGCCCCACGCCAGCCAGCCCCGTGCCCGTCCACAGCCACGAAGAGGCC
 AGCCGACCTGCAGCCACTTCCACCCGGCTTCTACTGACCCGCTGGCACTGCTGGGGCTG
 CCAGCAGAGGAACCAGAGCCTGCCTTCCACCAGTGTGAGCCTCGATGGTTTGCACCA
 TATGACGTGCAAAGCCTGCTCTTTGATTGGGCTCCGAGGTCTCAGGGGACTGGGGAGCCA
 CTCAGAGGCCAGTCTGGGACCTGGCTTCAGCCGAGGACCAGGCTGCCAGCTCGGACCT
 GCTGCATGGGGCACCTGGCTTTGTGTGAGCTCCGNNGGTGAGGGTGAGCTAGGCCCTG
 GTGGACCAGCATTCCCACTGTGCCCTTGCACGTGNCCTACGCCCGCGTGTCCATCCTTG
 GAGGAGCCACACAC

Restriction Sites:

NotI-NotI

ACCN:

NM_006747

Insert Size:

4000 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:	<u>NM_006747.2</u> , <u>NP_006738.2</u>
RefSeq Size:	3511 bp
RefSeq ORF:	3129 bp
Locus ID:	6494
UniProt ID:	<u>Q96FS4</u>
Cytogenetics:	11q13.1
Domains:	Rap_GAP, PDZ
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Leukocyte transendothelial migration
Gene Summary:	<p>The product of this gene is a mitogen induced GTPase activating protein (GAP). It exhibits a specific GAP activity for Ras-related regulatory proteins Rap1 and Rap2, but not for Ran or other small GTPases. This protein may also hamper mitogen-induced cell cycle progression when abnormally or prematurely expressed. It is localized to the perinuclear region. Two alternatively spliced variants encoding the same isoform have been characterized to date. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform.</p>