

Product datasheet for SC322297

SIPA1 (NM_153253) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIPA1 (NM_153253) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIPA1
Synonyms:	SPA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322297
GGCGGCGGCTGGGCGGGAGCCCCAGAGGGCAGGAAGTCTGCCACAACCTCAGGCTGGGC
ACCAAACACCCGTGCCCGCAATGCGGCCAGCCCCGGAGAGTACAGGCCACAGAGCAT
GCCCATGTGGGCCGCGTGTGGGGAGCCCTCGGCGGGGATGGCCCTGCGTCCACAGA
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CGAGCCGAGGCCAGTCCGGGGCCCACTCCTGCGCAGCGGAGCGATGCAGGCGAGGCCAG
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GGAACCAGAGCCTGCCTCCCACAGTGTGAGCCTCGATGGTTTGCCCACTATGACGT
GCAAAGCCTGCTCTTTGATTGGGCTCCGAGGTCTCAGGGGATGGGAGCCACTCAGAGGC
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ATCCCCACCTGTGCCCCCTGCACTGCCAACCGCGCCGTGCCATCCTGGAGGAGCCACA
GAACCGAACCTCGGCCTACAGCCTGGAGCACGCAGACCTGGGTGCTGGCTACTACCGCAA
ATACTTCTATGGCAAAGAATCAGAACTTCTTCGGGATGGACGAGTTCGCTGGGCCCGGT
GGCAGTGAGCCTGCGGCGGGAGGAGAAGGAGGGCAGCGGAGGGGGCACCTGCACAGCTA
CCGCGTCATCGTGCGGACCACGCAGCTCCGGACACTCCGTGGCACCATCTCGGAGGACGC
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CAGCAAGCCCTTCTGCCACCACCATCCGCTCGCACTTCCAGCACGTGTTCTAGTGGT
GCGGGCACACACCCTGCACGCCACACACCACCTACAGGGTGGCGGTGAGCCGCACCCA



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GGACACCCTGCCTTCGGGCCAGCTCTGCCTGCTGGCGGAGGCCCTTCGCAGCCAACGC
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GCGCCAGTTCCACGCCATGGCCACGCGCACCCGCCAGCAGTACCTGCAAGACCTGGCCAC
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TTTGGTGGCGGAAGTGGCCTCCACCCCTCCTGTTTGTAAATATTCTGTGGAGAAAAGA
GGACTTCAGGGAGTAAAAAGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_153253
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_153253.28, NP_694985.28</u>
RefSeq Size:	3657 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 (1) represents the longer transcript. Variants 1 and 2 encode the same isoform.</p>