

Product datasheet for RC203747

SIPA1 (NM_153253) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIPA1 (NM_153253) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SIPA1
Synonyms:	SPA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

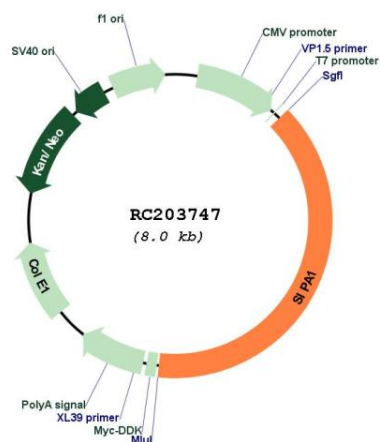
ACCN:	NM_153253
ORF Size:	3126 bp



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	NM_153253.1 , NM_153253.10 , NM_153253.11 , NM_153253.12 , NM_153253.13 , NM_153253.14 , NM_153253.15 , NM_153253.16 , NM_153253.17 , NM_153253.18 , NM_153253.19 , NM_153253.2 , NM_153253.20 , NM_153253.21 , NM_153253.22 , NM_153253.23 , NM_153253.24 , NM_153253.25 , NM_153253.26 , NM_153253.27 , NM_153253.28 , NM_153253.29 , NM_153253.3 , NM_153253.4 , NM_153253.5 , NM_153253.6 , NM_153253.7 , NM_153253.8 , NM_153253.9 , NP_694985.28
RefSeq Size:	3657 bp
RefSeq ORF:	3129 bp
Locus ID:	6494
UniProt ID:	Q96FS4
Cytogenetics:	11q13.1
Domains:	Rap_GAP, PDZ
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Leukocyte transendothelial migration
MW:	112 kDa
Gene Summary:	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]

Product images:



Circular map for RC203747