

Product datasheet for **MG217619**

Sipa1 (NM_001164480) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sipa1 (NM_001164480) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sipa1
Synonyms:	Spa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217619 representing NM_001164480 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGCGGCGGTGTGGGAGCCCTCGGCGGGCATGGCCCTGCACCTACCGATGACCTCTTTGCC
GTAAGCTTCGCCAACCTGCCCGGCCACTGACACCACATACCTTTGAGCCGAGGCCAGCTCGGGGCC
ACTTTGCGCAGTGGCAGTGATGCTGGTGAAGTCCGGCCCTACACCAGCCAGCCCGTGCCTGCCC
CACAGCCAGGAGTCCAGCCGCCCTGCTGCAACCCCTACTCGGCTTCTACTGACCCACTGGCACTG
TAGGGTTGCCAGCAGAAGAGCCAGAGCCACCTTCCCAGTGTGGAACCCCGTGGTTTGTCTACTA
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TCTGGGACCTTAGCTGAGGGCCAGACTACCACCTCAGATCTACTGCTCGGGGACCTGGCTTTGTGAGCG
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 CTCTGGAAGTCCAGGAGACCTGCAGAGGGAGAAGGCGGACAGGGCAGCCTTGGAGGAGGAGTTCCGA
 GCCTCAGACACAACAACCAGAGGCTGCTGGCAGAGTCCGAGAGTCCGCCACCCGCTGCTCTGGCCTC
 TAAGCATCTGGGTGCACCCACTACTGACCTGGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217619 representing NM_001164480
 Red=Cloning site Green=Tags(s)

MWAGGVGSPRRGMAPPTDDL FARKLRQPAPPLTPHTFEPRPARGPLLRSGSDAGEVRPPTPASPRARA
 HSHEDASPAATPTRLFTDPLALLGLPAEEPEPTFPPVLEPRWF AHYDVQSL LFDWAPRPRGTGSHTAN
 SGTLAEGQTTTSDLLL GAPGFVSELGGEGELGLGGPISPPVPPALPNAAVSVLEEPQTRTTAYSLEHADL
 GAGYYRKYFYGKEHQNFGLDEALGPVAVSLRREEKEGSGGTLHSYRVIVRTTQLRTLRTGTSIEDALPP
 GPPRGLSPRKLLEHVAPRLSPTCLRLGSASPKVPRTLLTLDEQVLSFQRKVGILYCRAGQGSEEMYNQ
 EAGAAFMQFLTLLGDVRLKGFESYRAQLDTKTDSTGTHSLYTTYQDHEIMFHVSTMLPYTPNQQQLLR
 KRHIGNDIVTIVFQEPGSKPFCPTTIRSHFQHVFLVVRHAPCTPHTSYRVAVSRTQDTPAFGPALPEGG
 GPFAANADFRALLAKALNGEQAAGHARQFHAMATRTRQYLQDLATNEVTTTSLDSASRFGLPSLGRR
 RATPRSPGAELQAAGALMWGVRAAPGARVAAGAETS GPDDAEVPCLLGISAETLVLVAPDRGRVFNAC
 RDVLAWTFSEHQLDLYHGRGEAITLRLD GAGQAVGEVVARLQLVSRGCETRELALPRDQGRLGFEVDA
 EGFITHVERFTFAETTGLRPGARLLRVCQQLPKLGPETAQMLRSAPKVCVTVLPPDESGRPRRSFSEL
 YMLSLKEPSRRGGPEPVQDETGLVILPPTKQLLHFCLKDS SSPGPDLTEERTEFLRSHNSLSSGSSL
 SDEAPVLPNTTPDLLVTANPSAPGTDRET PPSQDQSGSPSSHEDTSDSGPELRASILPRTL SLRNSIS
 KIMSEAGSETLEDEWQSI SEIASTCNTILESLSREGQPISESGDPKEALKCDSEPEPGLSEKVSHLESM
 LWKLQEDLQREKADRAALEEEVRS LRHNNQRL LAESESAAATRLLLASKHLGAPTTDLA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001164480.1</u> , <u>NP_001157952.1</u>
RefSeq Size:	3614 bp
RefSeq ORF:	3117 bp
Locus ID:	20469
Cytogenetics:	19 4.34 cM