

Product datasheet for **MC219017**

Shisa7 (NM_172737) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shisa7 (NM_172737) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shisa7
Synonyms:	ckamp59
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219017 representing NM_172737
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCCTGCTGCTGCTCGGGACCGTCCGCGTCTAGCCTCCGCAGCGGGCCCGGGGGGCGCGCC
 CATCCAACGACACAAGCTCAGTGGCCCCGGGCCGCTGCCGCGCTACTCGCGCACCTGCGGCGCTTGAC
 CGGGGCTCTGGCGGGCGCGGGAGCGCGCAGGTACCAGCGCAAACGCCACCAAGACCAGCCCCGCGAGT
 GGCACGGGCGCAGCGGCACGGGCGCTCCTCCGGCCGAGCTCTGCCATGGCTACTACGATGTCATGGGCC
 AGTACGACGCCACCTTCAACTGCAGCACCGGCTCCTACCGCTTCTGTTGTGGCACCTGCCACTACCGTTT
 CTGCTGCGAGCACCGCCACATGCGCCTGGCGCAGGCTCCTGCTCCAACACGACACGCCACGCTGGGCC
 ACCACGCCCCCGCGCTGGCTGGAGGCGCCGGGGCGCTGGGGGTGCGGGTGGGGACCAGGGCCGGGCC
 AGGCAGGGTGGCTGGAAGGGGGCCGGGCCGGGGCGCTGGGGACGTGGGGGAGAGGGCCAGGGGGCAG
 CACAGCCTACGTGGTGTGCGGAGTCATCAGTTTCGCCCTGGCGGTGGGCGTCGGTGCCAAAGTGGCCTTC
 AGCAAGGCGTCAGTGCACCCAGGGCGCACCGGAGATCAACGTGCCCAGAGCTCTCGTGATATTCTCA
 GGCATCAAGCAGGACCTGCAACCCGCCCGACCGGCCAGAAGCAGTTCTCTGACCCAGGGCTGGGAGG
 CCCAGACAGCATGGCCCCAAGGACACCAAGAACCTTTACAACACCATGAAGCCCTCAACCTCGATAAC
 CTGCACTACAACGTCAACAGCCCCAAGCACCACGCCGCCACACTGGACTGGCGTGCTATGCCGCCGCCA
 GCCCTCCTGCACTACTCCACACTATCCTGCTCCCGATCCTTCCACAACCTCTCTCATCTTCCCCGTC
 CTATGAGGCTGCTGTGAAATCAGAACTGAATCGATACTTCCCTCAAGAGACTGGCTGAGAAAGATCTG
 GATGAAGCCTACGTGAAGCGCAGACAACCTGGAGATGCCGCGGGAACGCTGCCCTTGCACTGCCCGC
 GGCTGGCACTGGAGGTGGTACCGTATGGATGGCTGGGGTGGCCCTGAGGAGCTGGGCTGGCACCAGC
 ACCCAACCCACGGCGTGTATGTCCAGGAGCACCTTCTGGGTGATGGTAGCCGAGCTTCCCGCTATGAG
 TTCAGTTGCCTCGAGCGCGCTGGTGTCTCAGGAACACCTGCTGCTGTCTCACCTGAGGCGCTTCGCC
 AGAGTCGCGAGCACCTGCTGTACCCCCACGAAGTCTGCACTGCCCCAGATCCCACCACCCGGGCCAG
 CCTGGCTGCCTCACACTCAACCTGCTGCTAGGGCCTGGGGGCCCCCCACACCCTGCATGGGTTGCCT
 CCGTCAGGCTGCATGCCACCATACCATGCCCTTTCATGGCTCTCTCAGCCAGCCTGGATGTCTGATG
 CGGGCGGGGTGGGGGCACACTGCCCGCAGGCCACCCTTCCAGCGCCAGGGCACCTGGAGCAGCTGCA
 GTTCATTCTGGGCACCACCTGCCCCAGCACCTGCGCACTGCCAGCAAGAAGCAGTGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_172737

Insert Size: 1677 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.

RefSeq: [NM_172737.4](#), [NP_766325.3](#)

RefSeq Size: 6058 bp

RefSeq ORF: 1677 bp

Locus ID: 232813

UniProt ID: [Q8C3Q5](#)

Cytogenetics: 7 A1

Gene Summary: Regulator of long-term synaptic potentiation specifically involved in the formation and retrieval of hippocampus-dependent contextual fear memory. Probably regulates induction and maintenance of long-term potentiation at Schaffer collaterals/CA3-CA1 excitatory synapses by affecting the recruitment of AMPA-type glutamate receptor (AMPA) at postsynaptic density.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.