

Product datasheet for MC211341

Shisa9 (NM_028277) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Shisa9 (NM_028277) Mouse Untagged Clone
Tag: Tag Free
Symbol: Shisa9
Synonyms: 2700045P11Rik; Ckamp44
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211341 representing NM_028277
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCGCCGAGTCCTTCGGCTGCTTCTCGGCTGCTTCTCACCGAGCTGTGTGCCCGCATGTGCCGGGCGC
AGGAGCGATCTGGGCACGGGCAGCTAGCGCAACTGGGCGGCGTACTGCTGCTCACAGGGGCAACCCTC
CGGAGCCGCTCCGGAGAGGCCGGCGAGGGCGTGGGGGCTCGGACGCACCGCCGACTCGAGCGCCACG
CCAGACTCCTGTGGGGCTACTTCGATGTTCATGGGCCAGTGGGACCCGCGTTCAACTGCAGCTCGGGCG
ACTTCATCTTCTGCTGCGGGACTTGTGGCTTCCGGTTCTGCTGCACGTTTAAAGAGCGGGGACTGAACCA
GAGCACCTGTACCAACTACGACACGCCACTCTGGCTTAACACGGGCAAGCCCCAGCGCGTAAGGATGAC
CCCTTGCACGACCCCAAGGACAAGCAACCTTATCGTCTACATCATCTGCGGGGTGGTGGCTGTCA
TGGTGTGGTGGGCATCTTACCAAGCTGGGGCTGGAGAAAGCGCACCGGCCCAAGGGGAACACATGTC
CAGAGCCCTTGGCGATGTTCATGAGGCCACAGGGCCACTGCAACTGACCACATGGAGAGAGACCTTAAC
ATCGTGGTCCACGTGCAGCATTATGAGAACATGGACTCAAGAACCCCAATAAATAATCTCCATACCACTC
AGATGAACAACGCAGTGGCCACTTCTCCTGCTCCAGCAGATGGGACACCCACATTCATACCCCAACTC
GGGTGAGATTTCTAATCCATATGAACAGCAGCCTCCAGGCAAAGAGCTCAACAAGTACGCCTCCTTAAAG
GCAAGTAGGAAATCTGATGGTACTGGGCAAGTGGCAACGCTTAAAGTACCAAAAAGCTGACAAGGTCATG
ATGACTTCTACGCCAAAAGAAGGCACCTGGCAGAGCTGGCTGTCAAGGGAAATCTCCCTTGGACCCCTGT
AAGAGTGAAGATGAGCCTCGCGCCTTACAGCCAGAGCACGGGCTGCACAGCAGAATGGACAGAAGTCT
CGCACCAACAAGATGCCCCACATCCCCTGGCCTACAACCTCTACTGCAACTTTAAGACCTGGGACCCCA
GTGACCAGTCTCTCCGGCGCAGGCTTATGGCAACAAGGGCAAGCTTGGCATAGCTGAGTCAAGGCTCTTG
TGACCCCTTGGGACTCGCACCCAGCACTTCCCACCCACACAGCCATATTCATCACTAACGCAAAAACA
GAAGTACTGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_028277
Insert Size:	1275 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:	NM_028277.2 , NP_082553.2
RefSeq Size:	4844 bp
RefSeq ORF:	1275 bp
Locus ID:	72555
UniProt ID:	Q9CZN4
Cytogenetics:	16
Gene Summary:	<p>Regulator of short-term neuronal synaptic plasticity in the dentate gyrus. Associates with AMPA receptors (ionotropic glutamate receptors) in synaptic spines and promotes AMPA receptor desensitization at excitatory synapses.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1, also known as CKAMP44a) represents the longer transcript and encodes the longer isoform (1). Isoform 1 contains an in-frame start site 41 codons upstream from the currently annotated site, but signal sequence considerations and orthology data support use of the downstream AUG. 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.</p>