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Product datasheet for MC217536

Shisa6 (NM_001034874) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shisa6 (NM_001034874) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shisa6
Synonyms:	ckamp52; Gm879
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC217536 representing NM_001034874
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGCTGCGCCGCCTCCTGCTGCCGCCTCTGCTGCTGTCGCTGCTGCTGTCGCTCGCGTCCCTGCACC
TGCCGCCCGGCGCAGACGCCGCCCGCGGCCGCTCCGGGAACCGGACCCTGAACGCGGGAGCCGTCGGAGG
TCGGCGTGCTGGGGGCGCCCTGGCCCGAGGCGGCCGCGAACTAAACAGCACCGCCCGAGCGTCCGGCGTC
CCGGAGGCGGGCAGCCGGCGGGGACAGTCCGCAGCAGCGGCAGCGGCGGCGGCGGCGGCGGCCAGCGCGA
CTGTTACTTACGAGACGTGCTGGGGCTACTACGACGTGAGCGGCCAGTACGACAAGGAGTTCGAGTGCAA
CAACAGCGAGAGCGGCTACCTGTACTGCTGCGGCACCTGCTACTATCGCTTCTGCTGCAAGAAGCGCCAC
GAGAAGCTGGACCAGCGCCAGTGCACCAACTACCAAAGCCCCGTATGGGTGCAGACGCCCAGCACCAAGG
TAGTGTCGCCGGGGCCCGAGAACAAGTACGACCCGGAGAAGGACAAGACCAACTTCACCGTCTACATCAC
TTGCGGGGTGATCGCCTTCGTCATCGTGGCGGGCGTCTTCGCCAAGGTCTCCTATGACAAGGCCCACCGC
CCTCCGCGAGAGATGAACATCCACAGGGCTCTGGCTGACATTCTAAGACAACAGGGACCAATCCCCATAG
CACACTGTGAAAGAGAAACCATCTCGGCCATCGATACCTCTCCCAAAGAGAACACGCCGGTCCGATCAAC
CTCCAAAAACCACTACACCCCTGTGCGCACAGCCAAGCAGACTCCAGGTGATCGTCAGTATAATCATCCG
ATCTTAAGCAGCGCTACCCAGACCCCTACACATGAGAAGCCACGGATGAATAACATTCTGACGTCGGCCA
CGGAACCCTATGACCTCTCCTTCTCACGCTCTTACCAGAACTTAGCCCACTTGCCTCCATCATATGAATC
TGCAGTGAAAACCAATCCAAGCAAGTACTCGTCTCTGAAGAGGCTAACGGACAAGGAAGCTGATGAGTAT
TACATGAGAAGGAGGCACCTGCCAGACCTTGCAGCCCGTGGTACCCTCCCCCTCAATGTCATCCAGATGT
CTCAACAGAAGCCACTTCCTCGAGAACGGCCACGCAGGCCCATCAGGGCCATGTCCCAGGACAGGGTCTT
GTCTCCACGTCGGGGATTGCCAGATGAATTCGGCATGCCCTATGACCGCATCTTGTCTGATGAACAGCTG
CTCTCCACAGAGCGCCTGCACTCCCAGGACCCGTTGCTGTCCCCAGAGAGGACAGCCTTCCCGGAGCAGT
CGCTGTCGCGGGCCATCTCGCATACGGACGTCTTTGTGTCCACGCCAGTGCTGGACCGCTACCGCATGAC
CAAGATGCACTCCCATCCCAGTGCCTCCAATAACTCCTATGCCACCCTGGGCCAGAGCCAGACAGCAGCC
AAGCGCCACGCCTTTGCCTCTCGCAGACACAACACGGTGGAGCAGTTACACTATATCCCAGGCCATCACA
CCTGCTACACAGCCAGCAAGACTGAAGTGACCGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001034874

Insert Size: 1578 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).

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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_001034874.3, NP_001030046.1
RefSeq Size:	7487 bp
RefSeq ORF:	1578 bp
Locus ID:	380702
UniProt ID:	Q3UH99
Cytogenetics:	11 B3
Gene Summary:	Involved in maintenance of high-frequency synaptic transmission at hippocampal CA3-CA1 synapses. Regulates AMPA-type glutamate receptor (AMPAR) immobilization at postsynaptic density keeping the channels in an activated state in the presence of glutamate and preventing synaptic depression (PubMed:26931375). May play a role in self-renewal and differentiation of spermatogonial stem cells by inhibiting canonical Wnt signaling pathway (PubMed:28196692).[UniProtKB/Swiss-Prot Function]

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