

Product datasheet for **SC328819**

SHISA6 (NM_001173461) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHISA6 (NM_001173461) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHISA6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC328819 representing NM_001173461.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCTGCGGCGCCTCCTGCTGCTGCTGCTCTCGCTGGAGTCCCTGGACCTGCTGCCAGCGTC
CACGGAGCCCGCGGCCGCGCCCAACCGGACCCTGAGTGCAGGCGGCGCTGCCGTCGGGGCCGGAGG
GCCGGGGCGCCCTGGCACGGGGCGGCCGCGAGCTGAACGGCACCGCCCGGGCGCCGGAATCCCGGAG
GCGGGAAGCCGCGGGGCGAGCCCGCGGCGCTGTGGCGCGGCCGCGAGCGCGGCCGTACCTACGAG
ACGTGCTGGGGCTACTACGAGTGAAGCGCCAGTACGACAAGGAGTTCGAGTGTAAACAGCGAGAGC
GGCTACCTGTACTGCTGCGGTACCTGCTACTACCGCTTCTGCTGCAAGAAGCGCCACGAGAAGCTGGAC
CAGCGCCAGTGCACCACTACCAGAGCCCGGTGTGGGTACAGACGCCAGCACCAAGGTGGTGTCCCG
GGGCCCCGAGAACAAGTACGACCCGGAAGACAAGACCACTTACCCTCTACATCACCTGCGGGGTG
ATCGCCTTCGTCATCGTGGCCGCGCTTTCGCCAAGGTCTCTACGACAAGGCCACCGCCCTCCACGG
GAGATGAACATCCACAGGCTCTGGCTGACATCTTAAGACAACAGGGACCAATCCCATAGCACACTGT
GAAAGAGAACTATCTCGGCTATCGATACCTCTCCCAAAGAGAACACGCCGGTCAGATCGTCTCCAAA
AACCACTACACTCCTGTGCGTACGGCCAAGCAGACTCCAGAGAAGCCACGGATGAACAACATCCTGACA
TCAGCCACCGAGCCCTATGACCTCTCTTCTCCCGCTCGTTCCAGAACTTGGCCACCTGCCCCATCC
TACGAGTCTGCAGTAAAGACCAACCCAGCAAGTATTCATCTCTGAAGAGGCTAACCGACAAGGAGGCT
GACGAGTATTACATGAGACGGCGGCACCTGCCCGACCTGGCTGCCCGCGGCACCTCCCGCTCAATGTC
ATCCAGATGTCCCAACAGAAGCCGTTGCCAAGGGAACGACCCGCCGGCCCATCCGGGCCATGTCCAG
GACAGGGTCTGTCCCGGATCGGGGCTGCCAGATGAGTTGAGTATGCCCTACGACCGCATCCTGTCC
GACGAGCAGCTGCTCTCCAGGAGCGCTGCACTCCAGGACCGCTGCTGTCCCGGAGCGGACGGCC
TTTCCCGAGCAGTCGCTGTCCAGGGCCATCTCGCACACGGACGTCTTTGTGTCCACACCCGTGCTGGAC
CGCTACCGCATGAGCAAGATGCACTCTCATCCAGTGCCTCCAATAACTCATACGCCACCTGGGCCAG
AGCCAGACGGCAGCCAAGCGTCAATGCCTTTCCTCACGACAGACAACACGGTGGAGCAGCTGCACTAC
ATCCCGGGCCACCACACCTGCTACACAGCCAGCAAGACCGAAGTGACCGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001173461

Insert Size: 1503 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001173461.1</u>
RefSeq Size:	7262 bp
RefSeq ORF:	1503 bp
Locus ID:	388336
UniProt ID:	<u>Q6ZSJ9</u>
Cytogenetics:	17p12
MW:	55.8 kDa
Gene Summary:	Involved in maintenance of high-frequency synaptic transmission at hippocampal CA3-CA1 synapses. Regulates AMPA-type glutamate receptor (AMPA) immobilization at postsynaptic density keeping the channels in an activated state in the presence of glutamate and preventing synaptic depression. May play a role in self-renewal and differentiation of spermatogonial stem cells by inhibiting canonical Wnt signaling pathway.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon in the coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to 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.