

Product datasheet for **SC328877**

SHISA6 (NM_001173462) Human Untagged Clone

Product data:

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



Fully Sequenced ORF:

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>SC328877 representing NM_001173462.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)
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GCTCGTTTAGTAGTAACCGTCAGAATTTTGTGAATACGACTCACTATAGGGCGCGCCGGGAATTCGCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCTGCGCGCCTCCTGCTGCTGCTGCTGCTCTCGTGAGTCCCTGGACCTGCTGCCACGCTC
CACGAGCCCCGCGGCGCGCCGCCAACCGGACCCCTGAGTGCAGCGCGCGCTGCCGTGCGGGGCCGGAGG
GCCGGGGGCGCCTGGCACGGGGCGGCCGCGAGCTGAACGGCACCGCCCGGCGCCCGGAATCCCGGA
GCGGGAAGCGCGCGGGGCGAGCCGCGGCGGCTGTGGCGCGCGGCCGAGCGCGCCGTCACTACGAG
ACGCTGCTGGGGCTACTACGCTGAGCGCGAGTACGACAAGGATTGAGTGTAAACAACGAGAGAG
GGCTACCTGTACTGCTGCGGTACCTGCTACTACCGCTTCTGCTGCAAGAAGCGCCACGAGAAGCTGGAG
CAGCGCCAGTGCACCAACTACCAGAGCCCGGTGTGGGTACAGACGCCAGCACCAAGTGGTGTGCCG
GGGCCGAGAACAACTACGACCCGGAGAAGGACAAGACCAACTTACCCTCTACATCACTGCGGGGTG
ATCGCTTCGTATCGTGGCCGGCGTCTTCGCCAAGGTCTCTACGACAAGGCCACCGCCCTCCACGG
GAGATGAACATCCACAGGGCTCTGGTGACATCTTAAGACAACAGGGACCAATCCCCATAGCACACTGT
GAAAGAGAACTATCTCGGTATCGATACCTCTCCAAAGACGACCGCGGTGAGATCGTCTCTCAAA
AACCACTACATCTCTGTGCTGACAGCCAGACAGCTCAGGGCATTATGGGAAGAGATGCTTACCGAAT
GGAGGACCTGATCTCCATAACTTCATCTCATCTGGATTTGTACATTAGGAAGAGGACACACCAAGGAG
AAGCCACGGATGAACAACATCTGACATCAGCCACCGAGCCCTATGACCTCTCTTCTCCCGCTCGTT
CAGAACTTGGCCACCTGCCCCATCCTACGAGTGTGCAGTAAAGACCAACCCAGCAAGTATTCATCT
CTGAAGAGGCTAACCGACAAGGAGGCTGACGAGTATTACATGAGACGGCGGCACCTGCCCGACCTGGCT
GCCCGCGGCAACCTCCCCCTCAATGTCACTCCAGATGTCCCAACAGAGCCGTTGCCAAGGGAACGACCC
CGCGGCCCATCGGGCCATGTCCAGGACAGGGTCTGTCCCGAGATCGGGCTCGCCAGTGTGATGATTC
AGCATGCCCTACGACGCACTCTGTTCGACGACGAGCTGCTCTCCACGAGGCGCTGCATCCAGGAC
CCGCTGCTGTCCCGGAGCGGACGGCCTTTCGAGCAGTGTGCTGTCAGGGCCATCTCGCACACGGAG
GTCTTTGTGTCCACCCGTGCTGGACCGCTACCGCATGAGCAAGATGCACTCTCATCCCAGTGCCTCC
AATAACTCATACGCCACCCTGGGCGAGAGCCAGACGGCAGCCAAAGCGTCATGCCTTTGCCTCAGCGAGA
CACAAACGGTGGAGAGCTGCACTACATCCCGGGCGACCAACCACTGCTACACAGCCCAAGACCGAA
GTGACCGTGTGA
ACGCGTACGCGGCCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

Sqfl-MluI

ACCN:

NM_001173462

Insert Size:

1599 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001173462.1](#)

RefSeq Size: 7358 bp

RefSeq ORF: 1599 bp

Locus ID: 388336

UniProt ID: [Q6ZSJ9](#)

Cytogenetics: 17p12

MW: 59.2 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 (3) lacks an alternate exon in the coding region, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.