OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC325965

SHISA9 (NM_001145204) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SHISA9
Synonyms:	CKAMP44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC325965 representing NM_001145204.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCCGCGTCCTTCGGCTGCTCCTCGGTTGCTTCCTCACCGAGCTGTGCGCCCGCGTGTGCCGGGCG
CAGGAGCGAGCGGGACACGGGCAGCTGGCGCAACTGGGCGGCGTGTTGCTGCTGGCGGGGGGCAACCGC
TCCGGGGCCGCCTCCGGAGAGGCCAGCGAGGGCGCTGAGGCATCGGACGCGCCCCCGACCCGGGCGCCC
ACGCCGGACTTCTGCCGGGGCTACTTCGATGTCATGGGCCAGTGGGACCCGCCGTTCAACTGCAGCTCG
GGCGACTTCATCTTCTGCTGCGGGACTTGTGGCTTCCGGTTCTGCTGCACGTTTAAGAAGCGGCGACTG
AACCAAAGCACCTGCACCAACTACGACACGCCGCTCTGGCTCAACACCGGCAAGCCCCCCGCCCGCAAG
GACGACCCCTTGCACGACCCCACCAAGGACAAGACCAACCTGATCGTCTACATCATCTGCGGGGTGGTG
GCCGTCATGGTGCTCGTGGGCATCTTCACCAAGCTGGGGCTGGAGAAAGCGCACCGGCCCCAAAGGGAG
CACATGTCCAGGGCCCTTGCGGATGTCATGAGACCACAGGGCCACTGCAACACTGATCACATGGAGAGA
GACCTAAACATCGTTGTCCACGTCCAGCATTATGAGAACATGGACACGAGAACCCCCATAAATAATCTT
CATGCCACCCAGATGAACAACGCAGTGCCCACCTCTCCTCTGCTCCAGCAGATGGGCCATCCACATTCG
TACCCGAACCTGGGCCAGATCTCCAACCCCTATGAACAGCAGCCACCAGGAAAAGAGCTCAACAAGTAC
GCCTCCTTAAAGGCAGTCGGAAGTTCTGATGGTGACTGGGCAGTATCGACACTTAAGTCACCAAAAGCT
GACAAGGTCAATGACGACTTCTACACCAAGCGACGGCACCTGGCTGAGCTGGCTGCCAAGGGGAACTTA
CCTCTGCACCCCGTAAGAGTGGAGGACGAGCCCCGGGCCTTCAGCCCTGAGCACGGTCCTGCCAAGCAG
AATGGACAGAAGTCCCGCACCAACAAGATGCCCCCACATCCCCTGGCCTACACCTCTACCACCAACTTT
AAGGGCTGGGACCCCAACGAGCAGTCCCTCCGGCGGCAGGCTTACAGCAACAAGGGCAAGCTTGGCACG
GCCGAGACAGGCTCCAGCGACCCCTTGGGAACTCGCCCCCAGCACTACCCACCCCCACAGCCATACTTC
ATCACCAACAGCAAAACAGAAGTGACTGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Restriction Sites:	SgfI-MluI
ACCN:	NM_001145204
Insert Size:	1275 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_001145204.2
RefSeq Size:	6738 bp
RefSeq ORF:	1275 bp
Locus ID:	729993
UniProt ID:	B4DS77

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Cytogenetics: 16p13.12

MW: 46.9 kDa

Gene Summary: 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 (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). This RefSeq contains an in-frame start site 41 codons upstream from the currently annotated site but is not being annotated as a start site since it is in a weak Kozak sequence context. Also, use of the upstream AUG would eliminate the signal peptide. 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.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US