

Product datasheet for **SC326045**

SHISA7 (NM_001145176) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHISA7 (NM_001145176) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHISA7
Synonyms:	CKAMP59
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145176, the custom clone sequence may differ by one or more nucleotides

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ATGCCGGCCCTCTGCTCCTCGTACTCCTGGCCTCTAGCGCCGGCCAGGCCAGGGCGCGC
CCGTCCAACGCCACGAGCGCCGAGCCCGCGGGCCCGCTGCCCGCCCTGCTGGCGCACCTG
CGGCGCCTGACCGGGGCGCTGACGGGCGGCGGGGCGCGGCGAGCCAGGCGCCAACGGC
ACCAGGACCGGCCCCGCGGGCGGGGCGGGCGGGCGGCCCGGGCGCCCCCTCCCGCCGAG
CTCTGCCACGGCTACTACGATGTCATGGGCCAGTACGACGCCACCTTCAACTGCAGCACC
GGCTCCTACCGCTTCTGCTGTGGCACCTGCCACTACCGCTTCTGCTGTGAGCACCCTCAC
ATGCGCCTGGCGCAGGCCTCCTGCTCCAACACGACACGCGCGCTGGGCCACCACGCCG
CCGCCGCTAGCTGGGGGCGCCGGGGGCGCTGGGGGTGCGGGCGGGGGCCAGGGCCCGGC
CAGGCCCGGTGGTTGGAAGGGGGCCGGAAGTGGGGGTGCCGGGGGCGCGGGGGCGAGGGC
CCCGGGGGCAGCACAGCCTACGTCGTGTGCGGGGTGTCAGCTTCGCCCTGGCCGTGGGC
GTCGGCGCCAAAGTGGCCTTCAGCAAGGCGTCCCGTGCGCCCGGGGCGCACCGGGGATATC
AACGTGCCCAGAGCTCTGGTGGACATTCTGAGACATCAGGCGGGGCTGGGACCCGCCCG
GACCGGGCCCGAAGCAGCTCCCTGACCCCGGGGATCGGCGGTCCCGACAGCATGCCCCC
AGGACGCCCAAGAACCTCTACAACACCGTGAAGACCCCAACCTCGACTGGCGAGCCTTG
CCGCCGCCAGCCCCCTTGTCACTACTCCACGCTGTCCTGCTCTCGGTCTTCCACAAC
CTCTCGCATCTGCCCCCGTCTACGAGGCTGCCGTGAAATCCGAGCTGAACCGCTACTCT
TCCCTCAAGAGGCTGGCCGAGAAGGATCTGGACGAGGCCTACCTGAAGCGCCGGCCCTG
GAATTGCCCGCGGCGACGCTGCCCTGCACGCGCTGCGGCGCGGGGACGGGGGCGGC
TATCGCATGGAGGCTGGGGCGGCCAGAGGAGCTGGGCTGGCGCCCGCGCCCAACCC
CGGCGGGTCATGTCCAGGAGCACCTGCTGGGCGATGGTGGCGTTGCGCTACGAGTTC
ACGCTGCCGCGCGCGCCTGGTGTGCGAGGAGCACCTGCTGCTGCTCCTCGCCCGAGGCC
CTGCGCCAGAGTCGCGAGCACCTGCTGTCGCCCCGCGCAGCCCCGCGCTGCCCCCGAC
CCCACCGCCCGGCCAGCCTGGCCGCTCGCACTCCAACCTGCTGCTGGGGCCCCGGGGG
CCCCAACACCGCTGCGCGGGCTGCCGCCACCGTCCAGCCTGCACGCCACCACACAC
GCCCTGCACGGCTCGCCGAGCCGGCCTGGATGTCCGACGCCGGCGGGGCGGGGCGACA
CTGGCCCCGAGGCCGCCCTTCCAGCGCCAGGGCACGCTGGAGCAGCTGCAGTTTATCCCG
GGCCACCACCTGCCCCAGCACCTGCGCACGGCCAGCAAGAACGAGGTGACTGTC

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Restriction Sites: Please inquire



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ACCN:	NM_001145176
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_001145176.1, NP_001138648.1</u>
RefSeq Size:	6035 bp
RefSeq ORF:	1617 bp
Locus ID:	729956
UniProt ID:	<u>A6NL88</u>
Cytogenetics:	19q13.42
Gene Summary:	Regulator of long-term synaptic potentiation specifically involved in the formation and retrieval of hippocampus-dependent contextual fear memory. Probably regulates induction and maintenance of long-term potentiation at Schaffer collaterals/CA3-CA1 excitatory synapses by affecting the recruitment of AMPA-type glutamate receptor (AMPA) at postsynaptic density.[UniProtKB/Swiss-Prot Function]