

Product datasheet for **MG221616**

Shisa9 (NM_028277) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shisa9 (NM_028277) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Shisa9
Synonyms:	2700045P11Rik; Ckamp44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221616 representing NM_028277 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCGAGTCCTTCGGCTGCTTCTCGGCTGCTTCTCACCGAGCTGTGTGCCCGCATGTGCCGGGCGC
AGGAGCGATCTGGGCACGGGCAGCTAGCGCAACTGGGCGGCGTACTGCTGCTCACAGGGGCAACCGCTC
CGGAGCCGCTCCGGAGAGGCCGGCGAGGGCGTGGGGGCTCGGACGCACCGCGACTCGAGCGCCACG
CCAGACTCCTGTGGGGTACTTCGATGTCATGGGCCAGTGGACCCGCCGTTCAACTGCAGCTCGGGCG
ACTTCATCTTCTGCTGCGGGACTTGTGGCTTCCGGTTCTGCTGCACGTTTAAAGAAGCGGCGACTGAACCA
GAGCACCTGTACCAACTACGACACGCCACTCTGGCTTAACACGGCAAGCCCCAGCGCGTAAGGATGAC
CCCTTGACAGACCCCAAGGACAAGACCAACCTTATCGTCTACATCATCTGCGGGGTGGTGGCTGTCA
TGGTGTGGTGGGCATCTTACCAAGCTGGGGCTGGAGAAAGCGCACCGGCCCAAGGGAAACACATGTC
CAGAGCCCTTGGCGATGTCATGAGGCCACAGGGCCACTGCAACACTGACCACATGGAGAGAGACCTTAAC
ATCGTGGTCCACGTGCAGCATTATGAGAACATGGACTCAAGAACCCCAATAAATCTCCATACCACTC
AGATGAACAACGAGTGGCCACTTCTCCTCTGCTCCAGCAGATGGGACACCCACATTCATACCCCAACT
GGGTCAGATTTCTAATCCATATGAACAGCAGCCTCCAGGCAAAGAGCTCAACAAGTACGCCTCCTTAAAG
GCAGTAGGAAATCTGATGGTGACTGGCAGTGGCAACGCTTAAGTACCAAAAAGTACAAAGGTCATG
ATGACTTCTACGCCAAAAGAAGGACCTGGCAGAGCTGGCTGTCAAGGAAATCTCCCTTTCACCCCTGT
AAGAGTGAAGATGAGCCTCGCGCCTTACGCCAGAGCAGCGGCCTGCACAGCAGAAATGGACAGAAGTCT
CGCACCAACAAGATGCCCCACATCCCCTGGCCTACAACCTCTACTGCCAACTTTAAGACCTGGGACCCCA
GTGACCAGTCTCTCCGGCGCAGGCTTATGGCAACAAGGCAAGCTTGGCATAGCTGAGTCAGGCTCTTG
TGACCCCTTGGGACTCGCACCCAGCACTTCCACCCACACAGCCATATTTATCACTAACAGCAAAAACA
GAAGTACTGTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221616 representing NM_028277
 Red=Cloning site Green=Tags(s)

MRRVLRLLLGCFLELCARMCRAQERSGHGQLAQLGGVLLL TGGNRSGAASGEAGEGVGGSDAPPTRAPT
 PDSCRGYFDVMGQWDPFNCSSGDFIFCCGTCGFRFCCTFKKRRLNQSTCTNYDTPLWLNTGKPPARKDD
 PLHDPTKDKTNLIVYIICGVVAVMVLVGI FTKLGLEKAHRPQREHMSRALADVMRPOGHCNTDHMERDLN
 IVVHVQHYENMDSRTPINNLHTTQMNNVPTSPLLQQMGHPHSYPNLGQISNPYEQQPPGKELNKYASLK
 AVGNSDGDWAVATLKSPKADKVNDDFYAKRRHLAELAVKGNLPLHPVRVEDEPRAF SPEHGPAQQNGQKS
 RTNKMPHPLAYNSTANFKTWDPDQSLRRQAYGNKGKLGIAESGSCDPLGTRTQHFPPTQPYFITNSKT
 EVT V

TRTRPLE - GFP Tag - V

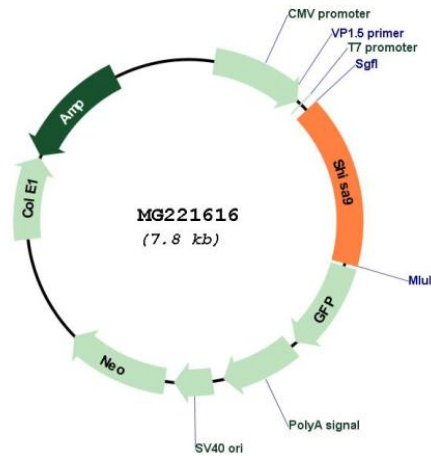
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_028277

ORF Size:	1272 bp
OTI Disclaimer:	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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_028277.2 , NP_082553.2
RefSeq Size:	4844 bp
RefSeq ORF:	1275 bp
Locus ID:	72555
UniProt ID:	Q9CZN4
Cytogenetics:	16
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.[UniProtKB/Swiss-Prot Function]