

## Product datasheet for RC233445

### SHISA5 (NM\_001272066) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SHISA5 (NM\_001272066) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SHISA5  
**Synonyms:** SCOTIN  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC233445 representing NM\_001272066  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTCCCGTGGACTCAGCCTCTTCCCGAGTCTGTCCAGATTTCTGCTGTGGTACCTGTGATGACC  
 AATACTGCTGCTGACGTGCTGAAGAAATTTGTGTGGAGCGAGGAAAGGTGTGCTGTGCCTGAGGCCAG  
 CGTGCCTGCCAGTGTAGAGCCGGTGGAGCAGCTGGGCTCGGCGCTGAGGTTTCGCCCTGGCTACAACGAC  
 CCCATGTCAGGGTTCGGAGCGACCTTGGCCGTTGGCTGACCATCTTTGTGCTGTCTGTCGTCACATCA  
 TCATCTGCTTACCTGCTCCTGTGCTGCCTTTACAAGACGTGCCGCCGACCACGTCGGTTGTCACCAC  
 CACCACATCCACCACTGTGGTGCATGCCCTTATCCTCAGCCTCCAAGTGTGCCGCCAGCTACCCTGGA  
 CCAAGCTACCAGGGCTACCACACCATGCCGCTCAGCCAGGGATGCCAGCAGCACCTACCCAATGCAGT  
 ACCCACCACCTTACCCAGCCCAGCCATGGGCCACCGCCTACCACGAGACCCTGGCTGGAGGAGCAGC  
 CGCGCCCTACCCGCCAGCCAGCCTCTTACAACCCGGCCTACATGGATGCCCGAAGGCGGCCCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC233445 representing NM\_001272066  
 Red=Cloning site Green=Tags(s)

MASRGLSLFPESCPDFCCGTCDQYCCSDVLLKFWSEERCAVPEASVPASVEPVEQLGSALRFRPGYND  
 PMSGFATLAVGLTIFVLSVVTIIICFTSCCCLYKTCRRPRPVTTTTSTTVVHAPYPQPPSVPPSYPG  
 PSYQGYHTMPPQPGMPAAPYPMPYPPYPAPQPMGPPAYHETLAGGAAAPYPASQPPYPNAYMDAPKAAL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001272066

ORF Size: 627 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:
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\\_001272066.1](#), [NP\\_001258995.1](#)

RefSeq Size: 2153 bp

RefSeq ORF: 630 bp

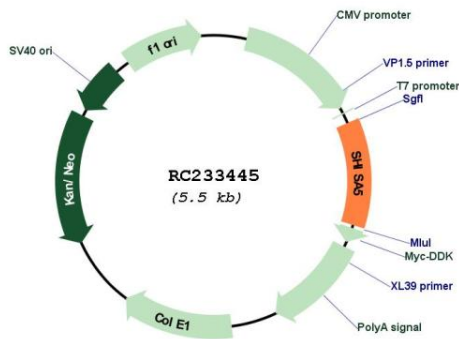
Locus ID: 51246

UniProt ID: [Q8N114](#)

**Cytogenetics:** 3p21.31  
**Protein Families:** Transmembrane  
**Protein Pathways:** p53 signaling pathway  
**MW:** 22.8 kDa

**Gene Summary:** This gene encodes a member of the shisa family. The encoded protein is localized to the endoplasmic reticulum, and together with p53 induces apoptosis in a caspase-dependent manner. Alternative splicing results in multiple transcript variants. Related pseudogenes of this gene are found on chromosome X. [provided by RefSeq, Apr 2016]

**Product images:**



Circular map for RC233445