

Product datasheet for **SC333202**

SHISA5 (NM_001272068) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SHISA5 (NM_001272068) Human Untagged Clone
Tag: Tag Free
Symbol: SHISA5
Synonyms: SCOTIN
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333202 representing NM_001272068.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTTCCCGTGGACTCAGCCTCTTCCCCGAGTCTGTCCAGATTTCTGCTGTGGTACCTGTGATGAC
CAATACTGCTGCTCTGACGTGCTGAAGAAATTTGTGTGGAGCGAGGAAAGGTGTGCTGTGCCTGAGGCC
AGCGTGCCTGCCAGTGTAGAGCCGGTGGAGCAGCTGGGCTCGGCGCTGAGGTTTCGCCCTGGCTACAAC
GACCCCATGT CAGGGTTCGGAGCGACCTGGCCGTTGGCCTGACCATCTTGTGCTGTCTGTCGTCACT
ATCATCATCTGCTTACCTGCTCCTGCTGCTGCCTTTACAAGACGTGCCGCCGACCAGTCCGGTTGTC
ACCACCACCACATCCACCCTGTGGTGCATGCCCTTATCCTCAGCCTCCAAGTGTGCCGCCAGCTAC
CCTGGACCAAGCTACCAGGGCTACCACACCATGCCGCTCAGCCAGGGATGCCAGCAGCACCTACCCA
ATGCAGTACCCACCACCTTACCCAGCCCAGCCATGGGCCACCCGGCCTACCACGAGACCTGGCTGGA
GGAGCAGCCGCGCCCTACCCCGCCAGCCAGCCTCTTACAACCCGGCCTACATGGATGCCCGAAGGGC
GCCCTCTGA
```

Restriction Sites: Sgfl-Mlul
ACCN: NM_001272068
Insert Size: 630 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).
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).



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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_001272068.1](#)

RefSeq Size: 2385 bp

RefSeq ORF: 630 bp

Locus ID: 51246

UniProt ID: [Q8N114](#)

Cytogenetics: 3p21.31

Protein Families: Transmembrane

Protein Pathways: p53 signaling pathway

MW: 22.4 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]
Transcript Variant: This variant (5) uses two alternate exons in the 5' UTR and initiates translation at a downstream AUG, compared to variant 1. The encoded isoform (c) is shorter than isoform a. Variants 3, 4 and 5 encode the same protein.