

## Product datasheet for **SC108100**

### SHISA5 (NM\_016479) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SHISA5 (NM_016479) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHISA5
Synonyms:	SCOTIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108100 sequence for NM_016479 edited (data generated by NextGen Sequencing)

```
ATGACTGCGCCGGTCCCCGCGCCGCGGATCCTGTTGCCGTTGCTGTTGCTGCTGCTGCTA
ACGCCGCCTCCGGGTGCACGTGGTGAGGTGTGTATGGCTTCCCGTGGAAGTCAAGCCTCTTC
CCCGAGTCTGTCCAGATTTCTGCTGTGGTACCTGTGATGACCAATACTGCTGCTCTGAC
GTGCTGAAGAAATTTGTGTGGAGCGAGGAAAGGTGTGCTGTGCCTGAGGCCAGCGTGCCT
GCCAGTGTAGAGCCGGTGGAGCAGCTGGGCTCGGCGCTGAGGTTTCGCCCTGGCTACAAC
GACCCCATGTGAGGGTTCGGAGCGACCTTGCCGTTGGCCTGACCATCTTTGTGCTGTCT
GTCGCTACTATCATCATCTGCTTACCTGCTCCTGCTGCTGCCTTTACAAGACGTGCCGC
CGACCAGTCCGGTTGTACCACCACCATCCACCACTGTGGTGCATGCCCTTATCCT
CAGCCTCAAGTGTGCCGCCAGCTACCCTGGACCAAGCTACCAGGGCTACCACACCATG
CCGCCTCAGCCAGGGATGCCAGCAGCACCTACCCAATGCAGTACCCACCACCTTACCCA
GCCAGCCCATGGGCCACCGGCCTACCACGAGACCCTGGCTGGAGGAGCAGCCGCGCCC
TACCCCGCCAGCCAGCCTCCTTACAACCCGGCCTACATGGATGCCCCGAAGGCGGCCCTC
TGA
```

Clone variation with respect to NM\_016479.3



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_016479 unedited GCGGATTAGGTATCCGATTTACTATAGGGNCCGGCCGCGCAATTCGGCACCAGCCGCGCG GATCACTGAGGCTGTGGCCGCACTGCGCCCGCGCTCGCGTCCGTCGCCCGTCCGCCCG CCCAGCCATGACTGCGCCGGTCCCCGCGCCGCGGATCCTGTTGCCGTTGCTGTTGCTGCT GCTGCTAACGCCGCTCCGGGTGCACGTGGTGAGGTGTGTATGGCTTCCCGTGGACTCTG CCTCTTCCCGAGTCTGTCCAGATTTCTGCTGTGGTACCTGTGATGAGCAATACTGCTG CTCTGACGTGCTGAAGAAATTTGTGTGGAGCGAGGAAAGGAGTGTGCTGCCTGAGGCCAG CGTGCCTGCCAGTGTAGAGCCGGTGGAGCAGCTGGGCTCGGCGCTGAGGTTTCGCCCTGG CTACAACGACCCCATGTAGGGTTCGGAGCGACCTTGGCCGTTGGCCTGACCATCTTGT GCTGTCTGCTCACTATCATCATCTGCTTACCTGCTCCTGCTGCTGCCTTTACAAGAC GTGCCCGCACCAGTCCGGTGTACCACCACCACATCCACCACTGTGGTGCATGCCCC TTATCCTCAGCCTCCAAGTGTGCCGCCAGCTACCCTGGACCAAGCTACCAGGGTACCA CACCATGCCGCTCAGCCAGGGATGCCAGCAGCACCTACCCAATGCAGTACCCACCACC TTACCCAGCCCAGCCATGGGCCACCGCCTACCACGAGACCCTGGCTGGNAGAGCAGC CGCGCCCTACCCGNCAGCCAGGCTNCTACAACCCGGCCTACTTGGATGCCCCAAAGG CGGCCCTCTGAGCATTCCCTGGGCTCTCTGGCTGCCATTGGGTTATNTTGGTGTGTGC CCTAAGTGGTGTCAAGCACGGTTTCTACGCCCATGTGTGCTGTGGGTGTTCCAGGCC AGGTTCTTAACCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016479
<b>Insert Size:</b>	2250 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_016479.3</a> , <a href="#">NP_057563.3</a>
<b>RefSeq Size:</b>	2166 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	51246
<b>UniProt ID:</b>	<a href="#">Q8N114</a>
<b>Cytogenetics:</b>	3p21.31
<b>Protein Families:</b>	Transmembrane

**Protein Pathways:** p53 signaling pathway

**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 (1) encodes the longest isoform (a).