

Product datasheet for RC233446

SHISA5 (NM_001272067) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SHISA5 (NM_001272067) 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: >RC233446 representing NM_001272067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCCGTGGACTCAGCCTCTTCCCGAGTCTGTCCAGATTTCTGCTGTGGTACCTGTGATGACC
 AATACTGCTGCTGACGTGCTGAAGAAATTTGTGTGGAGCGAGGAAAGGTGTGCTGTGCCTGAGGCCAG
 CGTGCCTGCCAGTGTAGAGCCGGTGGAGCAGCTGGGCTCGGCGCTGAGGTTTCGCCCTGGCTACAACGAC
 CCCATGTCAGGGTTCGGAGCGACCTTGGCCGTTGGCTGACCATCTTTGTGCTGTCTGTCGTCACATCA
 TCATCTGCTTACCTGCTCCTGTGCTGCCTTTACAAGACGTGCCGCCGACCACGTCGGTTGTCACCAC
 CACCACATCCACCACTGTGGTGCATGCCCTTATCCTCAGCCTCCAAGTGTGCCGCCAGCTACCCTGGA
 CCAAGCTACCAGGGCTACCACACCATGCCGCTCAGCCAGGGATGCCAGCAGCACCTACCCAATGCAGT
 ACCCACCACCTTACCCAGCCCAGCCATGGGCCACCCGGCTACCACGAGACCCTGGCTGGAGGAGCAGC
 CGCGCCCTACCCGCCAGCCAGCCTCTTACAACCCGGCCTACATGGATGCCCGAAGGCGGCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233446 representing NM_001272067
 Red=Cloning site Green=Tags(s)

MASRGLSLFPESCPDFCCGTCDDQYCCSDVLLKFFVWSEERCAVPEASVPASVEPVEQLGSALRFRPGYND
 PMSGFATLAVGLTIFVLSVVTIIICFTCSCCLYKTCRRPRPVVTTTTSTTVVHAPYPQPPSVPPSYPG
 PSYQGYHTMPPQPGMPAAPYPMPYPPYPAPQPMGPPAYHETLAGGAAAPYPASQPPYPNAYMDAPKAAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001272067

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_001272067.1](#), [NP_001258996.1](#)

RefSeq Size: 2348 bp

RefSeq ORF: 630 bp

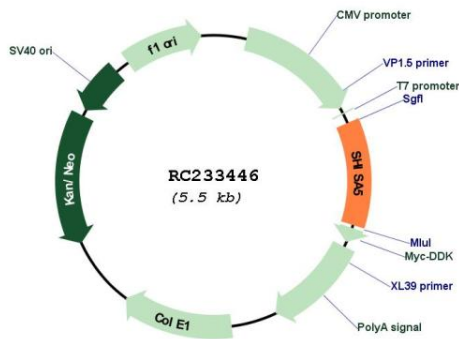
Locus ID: 51246

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 RC233446