

Product datasheet for **RG233445**

SHISA5 (NM_001272066) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SHISA5 (NM_001272066) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SHISA5
Synonyms: SCOTIN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233445 representing NM_001272066
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCCGTGGACTCAGCCTCTTCCCGAGTCTGTCCAGATTTCTGCTGTGGTACCTGTGATGACC
 AACTACTGCTGCTGACGTGCTGAAGAAATTTGTGTGGAGCGAGGAAAGGTGTGCTGTGCCTGAGGCCAG
 CGTGCCTGCCAGTGTAGAGCCGGTGGAGCAGCTGGGCTCGGCGCTGAGGTTTCGCCCTGGCTACAACGAC
 CCCATGTCAGGGTTCGGAGCGACCTTGGCCGTTGGCTGACCATCTTTGTGCTGTCTGTCGTCACTATCA
 TCATCTGCTTACCTGCTCCTGTGCTGCCTTTACAAGACGTGCCGCCGACCACGTCGGTTGTCCACCAC
 CACCACATCCACCACTGTGGTGCATGCCCTTATCCTCAGCCTCCAAGTGTGCCGCCAGCTACCCTGGA
 CCAAGCTACCAGGGCTACCACACCATGCCGCTCAGCCAGGGATGCCAGCAGCACCTACCCAATGCAGT
 ACCCACCACCTTACCCAGCCCAGCCATGGGCCACCCGGCTACCACGAGACCCTGGCTGGAGGAGCAGC
 CGCGCCCTACCCGCCAGCCAGCCTCCTTACAACCCGGCCTACATGGATGCCCGAAGGCGGCCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233445 representing NM_001272066
 Red=Cloning site Green=Tags(s)

MASRGLSLFPESCPDFCCGTCDDQYCCSDVLKFFVWSEERCAVPEASVPASVEPVEQLGSALRFRPGYND
 PMSGFGATLAVGLTIFVLSVVTIIICFTSCCCLYKTCRRRPRPVVTTTTSTTVVHAPYPQPPSVPPSYPG
 PSYQGYHTMPPQPGMPAAPYPMPYPPYPAQPMGPPAYHETLAGGAAAPYPASQPPYNPAYMDAPKAAL

TRTRPLE - GFP Tag - V

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](#)

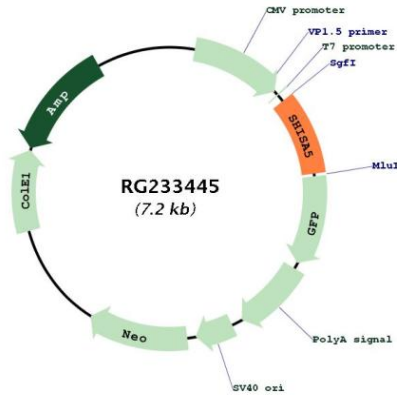
Cytogenetics: 3p21.31

Protein Families: Transmembrane

Protein Pathways: p53 signaling pathway

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 RG233445