

Product datasheet for SC315698

SHISA3 (NM_001080505) Human Untagged Clone

Product data:

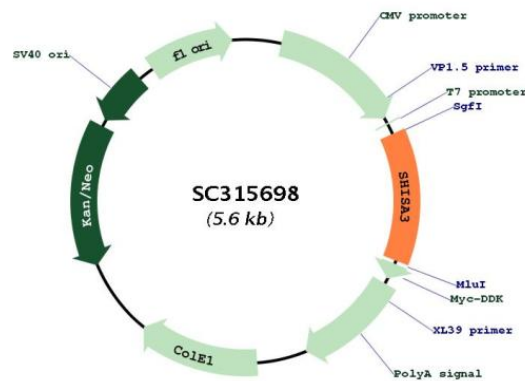
Product Type:	Expression Plasmids
Product Name:	SHISA3 (NM_001080505) Human Untagged Clone
Tag:	Tag Free
Symbol:	SHISA3
Synonyms:	hShisa3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315698 representing NM_001080505. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGGCACTGCTGGCGCTTTGCCTTCTCCTTGGCTGGCTGCGCTGGGGCCCGGCGGGCGCCAGCAG
TCCGGAGAGTACTGCCACGGCTGGGTGGACGTGCAGGGCAACTACCACGAGGGCTTCCAGTGCCAGAG
GACTTCGACACGCTGGACGCTACCATCTGCTGCGGCTCCTGCGGCTCCGCTACTGTTGCGCCGCGGCC
GACGCCAGGCTGGAGCAGGGCGGCTGCACCAACGACCGCCGCGAACTGGAGCACCAGGCATCACTGCG
CAGCCTGTCTACGTCCCCTTTCTCATCGTCGGCTCCATCTTCATTGCGTTCATCATCCTGGGCTCTGTA
GTGGCTATTTATTGTTGCACCTGTTTGTAGACCCAAAGGAGCCCTCGCAGCAGCCAATCCGCTTCTCACTC
CGCAGCTATCAGACAGAGACCCTGCCCATGATCCTGACCTCCACCAGCCCAGGGCACCCTCCCGGAG
TCCAGCACAGCCACGAGCTCCAGCTCCACAGGGCGGCTCCATCCGAGGTTCTCCTTTGCCAGGGCTGAG
CCGGGCTGCCTGGTGCCTCACCGCCCCCGCCATACACCACCAGCCACTCAATCCACCTGGCTCAGCCA
TCTGGTTTCTGGTGTACCCCAAGTATTTTCGCTTACCCCTCCAGCAGGAGCCCCACTGCCTGGGAAAG
AGCTGTCCAGACTTCAGTTCCAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_001080505

Insert Size: 717 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001080505.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/taxonomy/NCBI/1080505/1/1)

RefSeq Size: 1971 bp

RefSeq ORF: 717 bp

Locus ID: 152573

UniProt ID: [A0PIX4](#)

Cytogenetics: 4p13

Protein Families: Transmembrane

MW: 25.8 kDa

Gene Summary: This gene encodes a single-transmembrane protein which is one of nine members of a family of transmembrane adaptors that modulate both WNT and FGF signaling by blocking the maturation and transport of their receptors to the cell surface. Members of this family contain an N-terminal cysteine-rich domain with a distinct cysteine pattern, a single transmembrane domain, and a C-terminal proline-rich, low complexity region. The encoded protein acts as a tumor suppressor by accelerating beta-catenin degradation. [provided by RefSeq, Jul 2017]