

## Product datasheet for **RG212334**

### SHISA3 (NM\_001080505) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | SHISA3 (NM_001080505) Human Tagged ORF Clone                                   |
| Tag:                      | TurboGFP   |
| Symbol:                   | SHISA3   |
| Synonyms:                 | hShisa3  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >RG212334 representing NM_001080505<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGGCACTGCTGGCGCTTTGCCTTCTCCTTGGCTGTCTGCGCTGGGGCCGGCGGGCGCCAGCAGT  
CCGGAGAGTACTGCCACGGCTGGGTGGACGTGCAGGGCACTACCACGAGGGCTTCCAGTGCCAGAGGA  
CTTCGACACGCTGGACGCTACCATCTGCTGCGGCTCCTGCGCGCTCCGCTACTGTTGCGCCGCGGCCGAC  
GCCAGGCTGGAGCAGGGCGGCTGCACCAACGACCGCCGGAAGTGGAGCACCCAGGCATCACTGCGCAGC  
CTGTCTACGTCCCCTTCTCATCGTCGGCTCCATCTTCATTGCGTTCATCATCCTGGGCTCTGTAGTGGC  
TATTTATTGTTGCACCTGTTGAGACCCAAGGAGCCCTCGCAGCAGCCAATCCGCTTCTCACTCCGAGC  
TATCAGACAGAGACCCTGCCATGATCCTGACCTCCACCAGCCCCAGGGCACCCCTCCCGGAGTCCAGCA  
CAGCCACGAGCTCCAGCTCCACAGGCGGCTCCATCCGAGGTTCTCCTTTGCCAGGGCTGAGCCGGGCTG  
CCTGGTGCCCTCACCGCCCCCGCCATACACCACGACCACTCAATCCACCTGGCTCAGCCATCTGGTTTC  
CTGGTGTACCCCAAGTATTTTCGTTACCCCTCCAGCAGGAGCCCCCACTGCCTGGGAAGAGCTGTCCAG  
ACTTCAGTTCCAGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG212334 representing NM\_001080505  
 Red=Cloning site Green=Tags(s)

MRALLALCLLLGCLRWPAGAQQSGEYCHGWVDVQGNVHEGFQCPEDFDLDTATICCGSCALRYCCAAAD  
 ARLEQGGCTNDRRELEHPGITAQPVYVFLIVGSIFIAFIIILGSVVAIYCCTCLRPKEPSQQPIRFSLRS  
 YQTETLPMILTSTSPRAPSRSSTATSSSSTGGSIRRFSFARAEPGLVSPPPPYTTSHSIIHLAQPSGF  
 LVSPQYFAYPLQQEPPLPGKSCPFDSSS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001080505

**ORF Size:** 714 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\\_001080505.3](#)

**RefSeq Size:** 1971 bp

**RefSeq ORF:** 717 bp

**Locus ID:** 152573

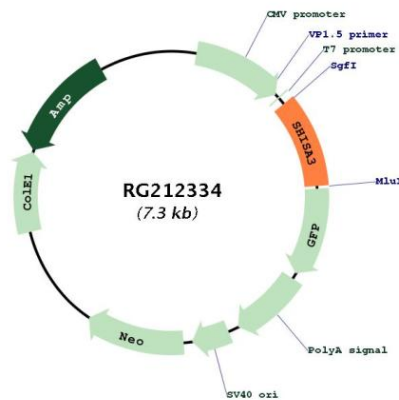
**UniProt ID:** [A0PIX4](#)

**Cytogenetics:** 4p13

**Protein Families:** Transmembrane

**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]

### Product images:



Circular map for RG212334