

# Product datasheet for TR513198

## Wdr1 Mouse shRNA Plasmid (Locus ID 22388)

### **Product data:**

#### OriGene Technologies, Inc.

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| Product Type:shRNA PlasmidsProduct Name:Wdr1 Mouse shRNA Plasmid (Locus ID 22388)Locus ID:22388Synonyms:Aip1; D5Wsu185e; redeVector:pRS (TR20003)E. coli Selection:AmpicIllinMammalian CellPuromycinSelection:Retroviral plasmidsFormat:Retroviral plasmidsComponents:Wdr1 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =<br>22388), 5µg purified plasmid DNA per construct<br>23988), 5µg purified plasmid DNA per construct<br>23988, 5µg purified plasmid DNA per construct<br>39888JuniProt ID:O88342Summary:Induces disassembly of actin filaments in conjunction with ADF/cofilin family proteins (By<br>similarity). Involved in myocardium sarcomere organization. Required for<br>cardlomyocyte growth at the postnatal and maintenance at the adult stage<br>(PubMed:24840128). Involved in myocardium sarcomere organization. Nequired for<br>cell shape changes during PCP; the function seems to implicate cooperation with CFL1 and/or<br>DSTN/ADF. I   | Floudet data.      |  |
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#### **GRIGENE** Wdr1 Mouse shRNA Plasmid (Locus ID 22388) – TR513198

Performance Guaranteed: OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

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