

Product datasheet for **TF505533**

Wwtr1 Mouse shRNA Plasmid (Locus ID 97064)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Wwtr1 Mouse shRNA Plasmid (Locus ID 97064)
Locus ID:	97064
Synonyms:	2310058J06Rik; 2610021I22Rik; C78399; TA; Taz
Vector:	pRFP-C-RS (TR30014)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Wwtr1 - Mouse, 4 unique 29mer shRNA constructs in retroviral RFP vector(Gene ID = 97064). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRFP-C-RS Vector, TR30015, included for free.
RefSeq:	BC004640 , BC014727 , NM_001168281 , NM_133784 , NM_133784.1 , NM_133784.2 , NM_133784.3 , NM_001168281.1 , BC023388 , BC049888 , BC056634
UniProt ID:	Q9EPK5
Summary:	This gene encodes a binding protein of the 14-3-3 family of proteins that regulate cell cycle progression, differentiation and apoptosis. The encoded protein is a transcriptional co-activator that binds to the PPXY motif present on transcription factors. The gene product contains a WW domain and, in the C-terminus, a conserved PDZ-binding motif. This gene is distinct from the gene encoding tafazzin. Both genes share the gene symbol Taz. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com . If you need a special design or shRNA sequence, please utilize our custom shRNA service .



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**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).