

## Product datasheet for **TR506468**

### Zfp365 Mouse shRNA Plasmid (Locus ID 216049)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Zfp365 Mouse shRNA Plasmid (Locus ID 216049)
Locus ID:	216049
Synonyms:	AI839779; AV340892; DBZ; Su48; talanin; Znf365
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Zfp365 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 216049). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC080272</a> , <a href="#">NM_178679</a> , <a href="#">NM_178679.1</a> , <a href="#">NM_178679.2</a> , <a href="#">BC157983</a> , <a href="#">BC157991</a>
UniProt ID:	<a href="#">Q8BG89</a>
Summary:	Contributes to genomic stability by preventing telomere dysfunction (PubMed:23776040). Involved in the morphogenesis of basket cells in the somatosensory cortex during embryogenesis (PubMed:23912123). Involved in the positive regulation of oligodendrocyte differentiation during postnatal growth (PubMed:24481677). Involved in dendritic arborization, morphogenesis of spine density dendrite, and establishment of postsynaptic dendrite density in cortical pyramidal neurons (PubMed:25983680). Involved in the regulation of neurogenesis. Negatively regulates neurite outgrowth. Involved in homologous recombination (HR) repair pathway. Required for proper resolution of DNA double-strand breaks (DSBs) by HR. Is required for recovery of stalled replication forks, and directly contributes to genomic stability. Interacts with PARP1 and mediates MRE11-dependent DNA end resection during replication fork recovery (By similarity).[UniProtKB/Swiss-Prot Function]
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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .


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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](mailto: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).