

## Product datasheet for **SR413558**

### Zfp365 Mouse siRNA Oligo Duplex (Locus ID 216049)

#### Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	<a href="#">NM_178679</a>
UniProt ID:	<a href="#">Q8BG89</a>
Synonyms:	AI839779; AV340892; DBZ; Su48; talanin; Znf365
Components:	Zfp365 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 216049) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
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]



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**Performance  
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, 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 siRNA control (quantitative RT-PCR data required).