

Product datasheet for **TL300231**

ZNF365 Human shRNA Plasmid Kit (Locus ID 22891)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ZNF365 Human shRNA Plasmid Kit (Locus ID 22891)
Locus ID:	22891
Synonyms:	Su48; UAN; ZNF365D
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	ZNF365 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 22891). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_014951 , NM_199450 , NM_199451 , NM_199452 , NM_014951.2 , NM_199450.1 , NM_199450.2 , NM_199452.1 , NM_199452.3 , NM_199451.1 , NM_199451.2 , BC017841 , BC035049 , BC044306 , BC060817 , BC070073 , BC101082 , BC101083 , BC101084 , BC101085 , BC152972 , BC156628 , NM_199451.3
UniProt ID:	Q70YC4
Summary:	This gene encodes a zinc finger protein that may play a role in the repair of DNA damage and maintenance of genome stability. The N-terminal C2H2 zinc finger motif is required to form a protein complex with PARP1 and MRE11, which are known to be involved in the restart of stalled DNA replication forks. A mutation in this gene may be associated with breast cancer susceptibility. [provided by RefSeq, Mar 2020]
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).