

Product datasheet for **SR411000**

Rad51d Mouse siRNA Oligo Duplex (Locus ID 19364)

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:	NM_001277938 , NM_001277939 , NM_001277941 , NM_001277942 , NM_011235 , NR_102717 , NR_102718 , NR_102719 , NR_102720
UniProt ID:	O55230
Synonyms:	R51H; R51H3; Rad5; Rad51I3; TRAD; Trad-d5
Components:	Rad51d (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 19364) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene belongs to the Rad51 gene family whose products play a major role in homologous recombination and DNA repair. The encoded protein interacts with other proteins of this family, including Rad51b, Rad51c and Xrcc2, and plays an essential role in both DNA repair and telomere maintenance. In humans, germline mutations in this gene may be associated with predisposition to ovarian cancer. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]



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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. 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).