

Product datasheet for **SR500072**

Tdrd5 Rat siRNA Oligo Duplex (Locus ID 289129)

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_001134739 , NM_001134740
UniProt ID:	B4F7C4
Synonyms:	MGC188201
Components:	Tdrd5 (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 289129) 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 encodes a member of the tudor domain-containing protein family. Tudor domain-containing proteins regulate a variety of processes including RNA metabolism, histone modification, and the DNA damage response. The tudor domain commonly functions to link methylated arginine or lysine marks to downstream effector proteins. In mouse, this gene is expressed in the primordial germ cells and in male germ cells during embryogenesis. In addition, it is expressed in adult testis cells where the protein is a component of the intermitochondrial cement and chromatoid bodies. Loss-of-function mutations in mouse result in arrest of spermatogenesis. [provided by RefSeq, Mar 2015]



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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).