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Product datasheet for TR708817

Tdrd5 Rat shRNA Plasmid (Locus ID 289129)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Tdrd5 Rat shRNA Plasmid (Locus ID 289129)
Locus ID:	289129
Synonyms:	MGC188201
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Tdrd5 - Rat, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 289129). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_001134739, NM_001134740, NM_001134740.1, NM_001134739.1, BC168218
UniProt ID:	B4F7C4
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]
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).