

Product datasheet for **TR510552**

Tdrd7 Mouse shRNA Plasmid (Locus ID 100121)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Tdrd7 Mouse shRNA Plasmid (Locus ID 100121)
Locus ID:	100121
Synonyms:	5730495N10Rik; AI447470; PCTAIRE2BP
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Tdrd7 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 100121). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC029689 , NM_001290475 , NM_146142 , NM_001355189 , NM_146142.1 , NM_146142.2 , NM_001290475.1 , BC025099
UniProt ID:	Q8K1H1
Summary:	Component of specific cytoplasmic RNA granules involved in post-transcriptional regulation of specific genes; probably acts by binding to specific mRNAs and regulating their translation. Required for lens transparency during lens development, by regulating translation of genes such as CRYBB3 and HSPB1 in the developing lens. Also required during spermatogenesis. [UniProtKB/Swiss-Prot Function]
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).