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Product datasheet for TR503968

l7Rn6 Mouse shRNA Plasmid (Locus ID 67669)

Product data:

Product Type:	shRNA Plasmids
Product Name:	l7Rn6 Mouse shRNA Plasmid (Locus ID 67669)
Locus ID:	67669
Synonyms:	0610007P06Rik; 1110002N09Rik; l(7)6Rn; l7Rn6
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Hikeshi - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector (Gene ID = 67669). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC003916, NM_001291286, NM_001291287, NM_001291288, NM_001291289, NM_026304, NR_111916, NR_153788, NM_026304.1, NM_026304.2, NM_026304.3, NM_001291288.1, NM_001291289.1, NM_001291287.1, NM_001291286.1, BC083330
UniProt ID:	Q9DD02
Summary:	Acts as a specific nuclear import carrier for HSP70 proteins following heat-shock stress: acts by mediating the nucleoporin-dependent translocation of ATP-bound HSP70 proteins into the nucleus. HSP70 proteins import is required to protect cells from heat shock damages. Does not translocate ADP-bound HSP70 proteins into the nucleus (By similarity). May also be indirectly required for organization and/or function of the secretory apparatus in Clara cells in lung.[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).