Product datasheet for **TL513227V**

Cant1 Mouse shRNA Lentiviral Particle (Locus ID 76025)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Cant1 Mouse shRNA Lentiviral Particle (Locus ID 76025)
Locus ID:	76025
Synonyms:	5830420C20Rik; Apy; Apy1h; D11Bwg0554e; Entpd8; SCA; SCAN-1; Sh; Shapy
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Cant1 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC020003, NM_001025617, NM_001025618, NM_001267591, NM_001267592, NM_029502, NM_001025617.1, NM_001025617.2, NM_001025618.1, NM_001025618.2, NM_001267591.1, NM_001267592.1, BC023387, BC048758
UniProt ID:	Q8VCF1
Summary:	The protein encoded by this gene is a calcium-dependent nucleotidase that preferentially hydrolyzes UDP, GDP, and IDP. The encoded protein has low activity with ADP and ATP and shows no activity with AMP and GMP. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2012]
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).