

## Product datasheet for **TL502957V**

### Vti1a Mouse shRNA Lentiviral Particle (Locus ID 53611)

#### Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Vti1a Mouse shRNA Lentiviral Particle (Locus ID 53611)
Locus ID:	53611
Synonyms:	1110014F16Rik; 1110018K19Rik; 4921537J05Rik; MVti1; MVti1a; Vti1; Vti1-rp2
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Vti1a - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 <sup>7</sup> TU/ml.
RefSeq:	<a href="#">BC019386</a> , <a href="#">BC089321</a> , <a href="#">NM_001293685</a> , <a href="#">NM_001293686</a> , <a href="#">NM_016862</a> , <a href="#">NM_001360431</a> , <a href="#">NM_001360432</a> , <a href="#">NM_016862.1</a> , <a href="#">NM_016862.2</a> , <a href="#">NM_016862.3</a> , <a href="#">NM_016862.4</a> , <a href="#">NM_001293686.1</a> , <a href="#">NM_001293685.1</a> , <a href="#">BC012211</a>
UniProt ID:	<a href="#">O89116</a>
Summary:	V-SNARE that mediates vesicle transport pathways through interactions with t-SNAREs on the target membrane. These interactions are proposed to mediate aspects of the specificity of vesicle trafficking and to promote fusion of the lipid bilayers. Involved in vesicular transport from the late endosomes to the trans-Golgi network. Along with VAMP7, involved in a non-conventional RAB1-dependent traffic route to the cell surface used by KCNIP1 and KCND2. May be concerned with increased secretion of cytokines associated with cellular senescence. [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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](mailto: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).