

Product datasheet for **TL509697V**

Timm22 Mouse shRNA Lentiviral Particle (Locus ID 56322)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Timm22 Mouse shRNA Lentiviral Particle (Locus ID 56322)
Locus ID:	56322
Synonyms:	Tim22
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Timm22 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 ⁷ TU/ml.
RefSeq:	BC055279 , NM_001291161 , NM_019818 , NM_023355 , NR_111896 , NM_019818.1 , NM_019818.2 , NM_019818.3 , NM_019818.4 , NM_019818.5 , NM_023355.1 , NM_023355.2 , NM_001291161.1 , BC022610
UniProt ID:	Q9CQ85
Summary:	Essential core component of the TIM22 complex, a complex that mediates the import and insertion of multi-pass transmembrane proteins into the mitochondrial inner membrane. In the TIM22 complex, it constitutes the voltage-activated and signal-gated channel. Forms a twin-pore translocase that uses the membrane potential as external driving force in 2 voltage-dependent steps (By similarity).[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).