

Product datasheet for **TL509167V**

Plat Mouse shRNA Lentiviral Particle (Locus ID 18791)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Plat Mouse shRNA Lentiviral Particle (Locus ID 18791)
Locus ID:	18791
Synonyms:	AU020998; AW212668; D8Ertd2; D8Ertd2e; t; t-; tPA
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Plat - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 ⁷ TU/ml.
RefSeq:	BC011256 , BC057967 , BC061508 , NM_008872 , NM_008872.1 , NM_008872.2 , NM_008872.3
UniProt ID:	P11214
Summary:	This gene encodes a key enzyme of the fibrinolytic pathway. The encoded protein undergoes proteolytic processing by plasmin to generate a heterodimeric serine protease that cleaves the proenzyme plasminogen to produce plasmin, a protease that is required to break down fibrin clots. Additionally, the encoded protein is involved in other biological processes such as synaptic plasticity, cell migration and tissue remodeling. Mice lacking the encoded protein display a reduction in long-term potentiation in hippocampus and conversely, transgenic mice overexpressing the encoded protein have increased and prolonged long-term potentiation. [provided by RefSeq, Jul 2015]
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).