

Product datasheet for **TR504409**

Psmid1 Mouse shRNA Plasmid (Locus ID 70247)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Psmid1 Mouse shRNA Plasmid (Locus ID 70247)
Locus ID:	70247
Synonyms:	2410026J11Rik; P112; S1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Psmid1 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 70247). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_027357 , NM_027357.1 , NM_027357.2 , BC138526 , BC002203 , BC018172 , BC022955 , BC025802 , BC029319 , BC031587 , BC032068 , BC039937 , BC089028 , BC138527
UniProt ID:	Q3TXS7
Summary:	In eukaryotic cells, most proteins in the cytosol and nucleus are degraded via the ubiquitin-proteasome pathway. The 26S proteasome is a self-compartmentalizing protease comprised of approximately 31 different subunits. It contains a barrel-shaped proteolytic core complex (the 20S proteasome), capped at one or both ends by 19S regulatory complexes, which recognize ubiquitinated proteins. Protein degradation by proteasomes is the source of most antigenic peptides presented on MHC class I molecules. This gene encodes a non-ATPase subunit of the 26S proteasome. [provided by RefSeq, Jul 2008]
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).