

Product datasheet for **TR501379**

Msl3 Mouse shRNA Plasmid (Locus ID 17692)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Msl3 Mouse shRNA Plasmid (Locus ID 17692)
Locus ID:	17692
Synonyms:	AU018931; Msl3l1; Msl3l
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Msl3l - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 17692). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC010226 , NM_010832 , NM_010832.1 , NM_010832.2 , NM_010832.3 , NM_010832.4 , NM_010832.5 , NM_001370791 , NM_001370792 , NM_001370793 , NM_001370794 , NM_001370795 , NM_001370796 , NM_001370797 , NM_001370798 , NM_001370799
UniProt ID:	Q9WVG9
Summary:	Has a role in chromatin remodeling and transcriptional regulation. Has a role in X inactivation. Component of the MSL complex which is responsible for the majority of histone H4 acetylation at 'Lys-16' which is implicated in the formation of higher-order chromatin structure. Specifically recognizes histone H4 monomethylated at 'Lys-20' (H4K20Me1) in a DNA-dependent manner and is proposed to be involved in chromosomal targeting of the MSL complex.[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).