Product datasheet for TL516066V

Orc4 Mouse shRNA Lentiviral Particle (Locus ID 26428)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Orc4 Mouse shRNA Lentiviral Particle (Locus ID 26428)
Locus ID:	26428
Synonyms:	mMmORC4; Orc4l; Orc4P
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Orc4l - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC015072, BC019748, NM_001177313, NM_011958, NR_033442, NR_149355, NR_149356, NM_011958.1, NM_011958.2, NM_011958.3, NM_001177313.1, BM117783, NM_001355296, NM_011958.4
UniProt ID:	O88708
Summary:	Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 (By similarity). Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The specific DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication.[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).