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Product datasheet for TL508019V

Mfrp Mouse shRNA Lentiviral Particle (Locus ID 259172)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Mfrp Mouse shRNA Lentiviral Particle (Locus ID 259172)
Locus ID:	259172
Synonyms:	rd6
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Mfrp - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001190314, NM_147126, NM_147126.1, NM_147126.2, NM_147126.3, NM_001190314.1, BC148451, BC153043
UniProt ID:	Q8K480
Summary:	The protein encoded by this gene contains a region with similarity to the cysteine-rich domain (CRD) of frizzled, a gene originally found in Drosophila that controls tissue polarity. This protein functions in eye development, where it is necessary for the maintenance of photoreceptor outer segments. Mutations in this gene cause retinal degeneration 6 in mice, which gives rise to a mouse model for human retinitis punctata albescens. Bicistronic transcripts composed of the coding sequences for this gene (Mfrp) and the C1q and tumor necrosis factor related protein 5 gene (C1qtnf5) have been identified, and the resulting products can interact with each other. Co-transcription of C1qtnf5 and Mfrp has been observed in both human and mouse. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]
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).