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Product datasheet for TR516483

Crmp1 Mouse shRNA Plasmid (Locus ID 12933)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Crmp1 Mouse shRNA Plasmid (Locus ID 12933)
Locus ID:	12933
Synonyms:	CRMP-1; Dpysl1; DRP; DRP-1; Ul; ULIP-3; Ulip3
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Crmp1 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 12933). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC031738, BC065046, NM_001136058, NM_007765, NM_007765.1, NM_007765.2, NM_007765.3, NM_007765.4, NM_001136058.1, NM_001136058.2, BM116580
UniProt ID:	P97427
Summary:	This gene encodes a protein that is part of the collapsin response mediator protein family. The family is comprised of five, homologous cytosolic phosphoproteins that are expressed in developing and adult nervous tissue and mediate signaling to transduce responses to extracellular cues. This protein is a Semaphorin 3A signaling molecule that regulates collapse of the growth cone. The growth cone mediates axonal pathfinding in neurons. This protein is reported to represent a new class of microtubule-associated proteins. In humans this protein is reported to inhibit cancer cell invasion. In mouse deficiency of this gene may be associated with impaired spatial memory performance. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jan 2013]
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.

View online »

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).