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Product datasheet for TF515449

Dnmbp Mouse shRNA Plasmid (Locus ID 71972)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Dnmbp Mouse shRNA Plasmid (Locus ID 71972)
Locus ID:	71972
Synonyms:	2410003L07Rik; 2410003M15Rik; Tub; TUBA
Vector:	pRFP-C-RS (TR30014)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Dnmbp - Mouse, 4 unique 29mer shRNA constructs in retroviral RFP vector(Gene ID = 71972). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRFP-C-RS Vector, TR30015, included for free.
RefSeq:	NM_028029, NM_028029.1, NM_028029.2, NM_028029.3, NM_028029.4, BC025944, BC114973, BC148369, BC156874
UniProt ID:	Q6TXD4
Summary:	This gene encodes a member of the DBL family of guanine nucleotide exchange factors. The encoded protein has been proposed to regulate the actin cytoskeleton by specifically activating the Rho-family GTPase Cdc42. An interaction between the encoded protein and a Listeria protein has been shown to mediate Listeria infection. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
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).