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Product datasheet for TL500146

Rab27a Mouse shRNA Plasmid (Locus ID 11891)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Rab27a Mouse shRNA Plasmid (Locus ID 11891)
Locus ID:	11891
Synonyms:	2210402C08Rik; 2410003M20Rik; 4933437C11Rik; ash
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Rab27a - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 11891). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC008173, BC009656, NM_001301230, NM_001301232, NM_023635, NM_023635.1, NM_023635.2, NM_023635.3, NM_023635.4, NM_023635.5, NM_023635.6, NM_001301230.1, NM_001301232.1
UniProt ID:	Q9ERI2
Summary:	The protein encoded by this gene is a member of the Rab family of proteins, which is the largest family within the Ras superfamily of GTPases. This gene product is thought to regulate vesicular transport, together with its specific effectors. Mutations in this gene cause several defects, including actin-based melanosome transport defects and immunodeficiency. Mutations in the human ortholog of this gene are associated with Griscelli syndrome type 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
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).