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Product datasheet for TR502068

Slfn4 Mouse shRNA Plasmid (Locus ID 20558)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Slfn4 Mouse shRNA Plasmid (Locus ID 20558)
Locus ID:	20558
Synonyms:	AI450778
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Slfn4 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 20558). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC044865, NM_001302559, NM_011410, NM_011410.1, NM_011410.2, NM_011410.3, NM_001302559.1, BC046511, BC150770, BM230056
Summary:	The protein encoded by this gene belongs to the Schlafen family. All members of this family contain a Schlafen box domain that lies near an AAA domain. This protein belongs to the group 2 subset of Schlafen proteins, which are defined by a molecular weight between 58 kDa and 68 kDa and by the presence of a SWADL domain that contains the sequence Ser-Trp-Ala-Asp-Leu. In malignant melanoma cells, gene expression is up-regulated in response to interferon alpha. In bone marrow-derived macrophages, expression of this gene is induced during activation by Toll-like receptor agonists and repressed during macrophage colony-stimulating factor-mediated differentiation. Myelopoiesis is disrupted by constitutive overexpression in myeloid-lineage cells. A pseudogene of this gene is found on chromosome 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 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).