

Product datasheet for **SR418043**

Slfn4 Mouse siRNA Oligo Duplex (Locus ID 20558)

Product data:

Product Type:	siRNA Oligo Duplexes
Purity:	HPLC purified
Quality Control:	Tested by ESI-MS
Sequences:	Available with shipment
Stability:	One year from date of shipment when stored at -20°C.
# of transfections:	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
Note:	Single siRNA duplex (10nmol) can be ordered.
RefSeq:	NM_001302559 , NM_011410
Synonyms:	AI450778
Components:	Slfn4 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 20558) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
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]



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**Performance
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, 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 siRNA control (quantitative RT-PCR data required).