

Product datasheet for **SR406305**

Scnm1 Mouse siRNA Oligo Duplex (Locus ID 69269)

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_001163573 , NM_027013
UniProt ID:	Q8K136
Synonyms:	3110001117Rik; Scnm1-ps
Components:	Scnm1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 69269) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Mutations in the voltage-gated sodium channel gene Scn8a lead to neurological problems in mice. For one particular mutation, Scn8amedJ, mice live to adulthood but have tremors and muscle weakness, among other problems, in all strains except those derived from C57BL6 mice. In these strains, the product of the Scnm1 gene (229 aa) partially overcomes the effects of the Scn8amedJ mutation. However, in C57BL6-derived mice, a one nt change in the penultimate exon creates a premature stop codon, truncating the Scnm1 protein at 186 aa. This truncated protein lacks the ability to overcome the effects of the Scn8amedJ mutation, and these mice suffer paralysis and juvenile death. [provided by RefSeq, Jul 2009]



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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).