

Product datasheet for **SR418125**

Srrm4 Mouse siRNA Oligo Duplex (Locus ID 68955)

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_026886
UniProt ID:	Q8BKA3
Synonyms:	I500001A10Rik; B230202K19Rik; bv; mKIAA1853; nSR100
Components:	Srrm4 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 68955) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Splicing factor specifically required for neural cell differentiation. Acts in conjunction with nPTB/PTBP2 by binding directly to its regulated target transcripts and promotes neural-specific exon inclusion in many genes that function in neural cell differentiation. Required to promote the inclusion of neural-specific exon 10 in nPTB/PTBP2, leading to increased expression of neural-specific nPTB/PTBP2. Also promotes the inclusion of exon 16 in DAAM1 in neuron extracts (PubMed:19737518). Promotes alternative splicing of REST transcripts to produce REST isoform 2 (REST4) with greatly reduced repressive activity, thereby activating expression of REST targets in neural cells (PubMed:21884984). Plays an important role during embryonic development as well as in the proper functioning of the adult nervous system. Regulates alternative splicing events in genes with important neuronal functions (PubMed:25838543).[UniProtKB/Swiss-Prot Function]



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).