

## Product datasheet for **SR423338**

### Scn8a Mouse siRNA Oligo Duplex (Locus ID 20273)

#### 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:             | <a href="#">NM_001077499</a> , <a href="#">NM_011323</a>                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms:           | AI853486; C630029C19Rik; dmu; med; mnd-2; mnd2; NaCh6; Nav1.6; nmf2; nmf58; nmf335; nur14; seal                                                                                                                                                                                                                                                                                                                                                    |
| Components:         | Scn8a (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 20273)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml                                                                                                                                                                                              |
| Summary:            | Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na(+) ions may pass in accordance with their electrochemical gradient. In macrophages, isoform 5 may participate in the control of podosome and invadopodia formation.[UniProtKB/Swiss-Prot Function] |



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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](mailto: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).