

## Product datasheet for **SR304260**

### Nav1.6 (SCN8A) Human siRNA Oligo Duplex (Locus ID 6334)

#### 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_001177984</a> , <a href="#">NM_014191</a> , <a href="#">NM_001330260</a> , <a href="#">NM_001369788</a>   |
| UniProt ID:         | <a href="#">Q9UQD0</a>   |
| Synonyms:           | BFIS5; CERIII; CIAT; DEE13; EIEE13; MED; MYOCL2; NaCh6; Nav1.6; PN4  |
| Components:         | SCN8A (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 6334)<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:            | This gene encodes a member of the sodium channel alpha subunit gene family. The encoded protein forms the ion pore region of the voltage-gated sodium channel. This protein is essential for the rapid membrane depolarization that occurs during the formation of the action potential in excitable neurons. Mutations in this gene are associated with cognitive disability, pancerebellar atrophy and ataxia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010] |



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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).