

## Product datasheet for **SR325739**

### **NHEDC2 (SLC9B2) Human siRNA Oligo Duplex (Locus ID 133308)**

#### **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:	<u><a href="#">NM_001300754</a></u> , <u><a href="#">NM_001300756</a></u> , <u><a href="#">NM_178833</a></u> , <u><a href="#">NM_001370203</a></u> , <u><a href="#">NM_001370207</a></u> , <u><a href="#">NM_001370199</a></u> , <u><a href="#">NM_001370200</a></u> , <u><a href="#">NM_001370201</a></u> , <u><a href="#">NM_001370202</a></u> , <u><a href="#">NM_001370204</a></u> , <u><a href="#">NM_001370205</a></u> , <u><a href="#">NM_001370206</a></u>
UniProt ID:	<u><a href="#">Q86UD5</a></u>
Synonyms:	NHA2; NHE10; NHEDC2
Components:	SLC9B2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 133308) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Sodium hydrogen antiporters, such as NHEDC2, convert the proton motive force established by the respiratory chain or the F1F0 mitochondrial ATPase into sodium gradients that drive other energy-requiring processes, transduce environmental signals into cell responses, or function in drug efflux (Xiang et al., 2007 [PubMed 18000046]).[supplied by OMIM, Mar 2008]



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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).