

## Product datasheet for **SR309511**

### TMX2 Human siRNA Oligo Duplex (Locus ID 51075)

#### 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_001144012</a> , <a href="#">NM_015959</a> , <a href="#">NR_026593</a> , <a href="#">NR_037645</a> , <a href="#">NM_001347890</a> , <a href="#">NM_001347891</a> , <a href="#">NM_001347892</a> , <a href="#">NM_001347893</a> , <a href="#">NM_001347894</a> , <a href="#">NM_001347895</a> , <a href="#">NM_001347896</a> , <a href="#">NM_001347898</a> , <a href="#">NR_144933</a> , <a href="#">NR_144934</a> , <a href="#">NR_144935</a>
UniProt ID:	<a href="#">Q9Y320</a>
Synonyms:	CGI-31; NEDMCMS; PDIA12; PIG26; TXNDC14
Components:	TMX2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 51075) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, one transmembrane domain and a C-terminal ER-retention sequence. This protein is enriched on the mitochondria-associated-membrane of the ER via palmitoylation of two of its cytosolically exposed cysteines. [provided by RefSeq, Jan 2017]



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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).