

## Product datasheet for **SR422886**

### Ift140 Mouse siRNA Oligo Duplex (Locus ID 106633)

#### 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_134126</a>
UniProt ID:	<a href="#">E9PY46</a>
Synonyms:	AI661311; mKIAA0590; Tce5; Wdtd2
Components:	Ift140 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 106633) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs) (By similarity). Plays a pivotal role in proper development and function of ciliated cells through its role in ciliogenesis and/or cilium maintenance (PubMed:22282595). Required for the development and maintenance of the outer segments of rod and cone photoreceptor cells. Plays a role in maintenance and the delivery of opsin to the outer segment of photoreceptor cells (PubMed:24619649). [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).