

## Product datasheet for **SR416033**

### **Tcte1 Mouse siRNA Oligo Duplex (Locus ID 21645)**

#### **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_013688</a>                                                                                                                                                                                                                                                                                                                                              |
| UniProt ID:         | <a href="#">A6H639</a>                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms:           | D17Sil1; Tcte-1                                                                                                                                                                                                                                                                                                                                                        |
| Components:         | Tcte1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 21645)<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:            | Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. May play a role in the assembly of N-DRC (By similarity). Required for sperm motility (PubMed:28630322).[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).