

## Product datasheet for **SR410717**

### **Tmem59 Mouse siRNA Oligo Duplex (Locus ID 56374)**

#### **Product data:**

|                            |  |
|----------------------------|--|
| <b>Product Type:</b>       | siRNA Oligo Duplexes   |
| <b>Purity:</b>             | HPLC purified  |
| <b>Quality Control:</b>    | Tested by ESI-MS   |
| <b>Sequences:</b>          | Available with shipment  |
| <b>Stability:</b>          | One year from date of shipment when stored at -20°C.   |
| <b># of transfections:</b> | Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).   |
| <b>Note:</b>               | Single siRNA duplex (10nmol) can be ordered.   |
| <b>RefSeq:</b>             | <a href="#">NM_029565</a>  |
| <b>UniProt ID:</b>         | <a href="#">Q9QY73</a>   |
| <b>Synonyms:</b>           | 1110001M20Rik; 3110046P06Rik; AI256529; D4Ertd20e; MTDCF1; ORF18   |
| <b>Components:</b>         | Tmem59 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 56374)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml   |
| <b>Summary:</b>            | Acts as a regulator of autophagy in response to S.aureus infection by promoting activation of LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C). Acts by interacting with ATG16L1, leading to promote a functional complex between LC3 and ATG16L1 and promoting LC3 lipidation and subsequent activation of autophagy. Modulates the O-glycosylation and complex N-glycosylation steps occurring during the Golgi maturation of several proteins such as APP, BACE1, SEAP or PRNP. Inhibits APP transport to the cell surface and further shedding.<br>[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).