

## Product datasheet for **SR427684**

### Atp2a3 Mouse siRNA Oligo Duplex (Locus ID 53313)

#### 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_001163336</a> , <a href="#">NM_001163337</a> , <a href="#">NM_016745</a>   |
| UniProt ID:             | <a href="#">Q64518</a>  |
| Synonyms:               | Serca3; SERCA3b   |
| Components:             | Atp2a3 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 53313)<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:                | This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium. Transports calcium ions from the cytosol into the sarcoplasmic/endoplasmic reticulum lumen. Contributes to calcium sequestration involved in muscular excitation/contraction.[UniProtKB/Swiss-Prot Function]   |
| 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. 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).



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