

## Product datasheet for **SR412421**

### Sec1 Mouse siRNA Oligo Duplex (Locus ID 56546)

#### 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>             | <u><a href="#">NM_001271578</a></u> , <u><a href="#">NM_019934</a></u>  |
| <b>Synonyms:</b>           | Fut3; Fut10   |
| <b>Components:</b>         | Sec1 (Mouse) – 3 unique 27mer siRNA duplexes – 2 nmol each (Locus ID 56546)<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>            | This gene is one of three genes in mouse which encode a galactoside 2-L-fucosyltransferase. These genes differ in their developmental- and tissue-specific expression. This gene is predicted to encode a type II membrane protein, which is anchored in the Golgi apparatus and controls the final step in the creation of alpha (1,2) fucosylated carbohydrates by the addition of a terminal fucose in an alpha (1,2) linkage. The biological function of the fucosylated carbohydrate products is thought to involve cell-adhesion and interactions with microorganisms. [provided by RefSeq, Dec 2012] |



**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).