

## Product datasheet for **SR419642**

### **Mthfd1l Mouse siRNA Oligo Duplex (Locus ID 270685)**

#### **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_001170785</a></u> , <u><a href="#">NM_001170786</a></u> , <u><a href="#">NM_172308</a></u>  |
| <b>UniProt ID:</b>             | <u><a href="#">Q3V3R1</a></u>   |
| <b>Synonyms:</b>               | 2410004L15Rik; AI647056; Fthfsdc1   |
| <b>Components:</b>             | Mthfd1l (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 270685)<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>                | May provide the missing metabolic reaction required to link the mitochondria and the cytoplasm in the mammalian model of one-carbon folate metabolism in embryonic an transformed cells complementing thus the enzymatic activities of MTHFD2.[UniProtKB/Swiss-Prot Function]   |
| <b>Performance Guaranteed:</b> | 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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