

## Product datasheet for **SR421232**

### Lpin1 Mouse siRNA Oligo Duplex (Locus ID 14245)

#### 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_001130412</a> , <a href="#">NM_015763</a> , <a href="#">NM_172950</a> , <a href="#">NM_001355598</a>   |
| UniProt ID:         | <a href="#">Q91ZP3</a>  |
| Synonyms:           | 4631420P06; fld; Kiaa0188; Lipin1; mKIAA0188  |
| Components:         | Lpin1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 14245)<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:            | Plays important roles in controlling the metabolism of fatty acids at different levels. Acts as a magnesium-dependent phosphatidate phosphatase enzyme which catalyzes the conversion of phosphatidic acid to diacylglycerol during triglyceride, phosphatidylcholine and phosphatidylethanolamine biosynthesis. Acts also as nuclear transcriptional coactivator for PPARGC1A/PPARA regulatory pathway to modulate lipid metabolism gene expression. Is involved in adipocyte differentiation. Isoform 1 is recruited at the mitochondrion outer membrane and is involved in mitochondrial fission by converting phosphatidic acid to diacylglycerol.[UniProtKB/Swiss-Prot Function] |



[View online »](#)

**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).