

## Product datasheet for **SR311384**

### LYRM1 Human siRNA Oligo Duplex (Locus ID 57149)

#### 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_001128301</a> , <a href="#">NM_001128302</a> , <a href="#">NM_001302835</a> , <a href="#">NM_001302836</a> , <a href="#">NM_020424</a> , <a href="#">NR_126516</a> , <a href="#">NR_126520</a> , <a href="#">NR_126521</a> , <a href="#">NR_126527</a> , <a href="#">NR_126528</a> , <a href="#">NM_001369632</a> , <a href="#">NM_001369633</a> , <a href="#">NM_001369635</a> , <a href="#">NM_001369636</a> , <a href="#">NM_001369638</a> , <a href="#">NM_001369639</a> , <a href="#">NM_001369641</a> , <a href="#">NM_001369642</a> , <a href="#">NM_001369644</a> , <a href="#">NR_161425</a> , <a href="#">NR_161426</a> , <a href="#">NR_161429</a> , <a href="#">NR_161430</a> , <a href="#">NM_001369631</a> , <a href="#">NM_001369634</a> , <a href="#">NM_001369637</a> , <a href="#">NM_001369645</a> , <a href="#">NR_161427</a> , <a href="#">NR_161431</a> , <a href="#">NR_161432</a>
UniProt ID:	<a href="#">O43325</a>
Synonyms:	A211C6.1
Components:	LYRM1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 57149) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene belongs to the mitochondrial leucine/tyrosine/arginine motif family of proteins. Proteins of this family are short polypeptides that contain a leucine/tyrosine/arginine motif near the N-terminus. This gene is widely expressed with high levels in omental adipose tissue of obese individuals. In adipose tissue, the protein is localized to the nucleus where it promotes preadipocyte proliferation and lowers the rate of apoptosis to regulate adipose tissue homeostasis. Overexpression of this gene in adipocytes causes abnormal mitochondrial morphology and mitochondrial dysfunction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]



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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).