

Product datasheet for **SR423372**

Myof Mouse siRNA Oligo Duplex (Locus ID 226101)

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:	NM_001099634 , NM_001302140 , NM_177035
UniProt ID:	Q69ZN7
Synonyms:	2310004N10Rik; 2310051D19Rik; E030042N20Rik; Fer1; Fer1l3
Components:	Myof (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 226101) 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 is a member of the ferlin family of proteins, which have been implicated in fusion events in muscle tissue. Members of this family have a carboxy-terminal single pass transmembrane domain and multiple C2 domains, which bind negatively charged phospholipids in the presence of calcium ions. This gene is expressed at high levels in myoblasts and upregulated in damaged skeletal muscle. Mice deficient in this protein display defects in myoblast fusion, muscle regeneration, and angiogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 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. 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).