

## Product datasheet for **SR423596**

### **Fbn1 Mouse siRNA Oligo Duplex (Locus ID 14118)**

#### **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>	<a href="#">NM_007993</a>
<b>UniProt ID:</b>	<a href="#">Q61554</a>
<b>Synonyms:</b>	AI536462; B430209H23; Fib-; Fib-1; Tsk
<b>Components:</b>	Fbn1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 14118) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
<b>Summary:</b>	<p>This gene encodes a member of the fibrillin family of proteins. The encoded preproprotein is proteolytically processed to generate two proteins including the extracellular matrix component fibrillin-1 and the protein hormone asprosin. Fibrillin-1 is an extracellular matrix glycoprotein that serves as a structural component of calcium-binding microfibrils. Asprosin, secreted by white adipose tissue, has been shown to regulate glucose homeostasis. Homozygous knockout mice for this gene exhibit impaired aortic development and early postnatal death, which was attributed to a deficiency in the fibrillin-1 protein. Mice with a hypomorphic allele of this gene exhibit impaired glucose homeostasis, likely due to a reduction in serum asprosin levels. [provided by RefSeq, Apr 2016]</p>



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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).