

## Product datasheet for **SR423659**

### Dmd Mouse siRNA Oligo Duplex (Locus ID 13405)

#### 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>Components:</b>	Dmd (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 13405) 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>	This gene encodes a large, rod-like cytoskeletal protein which is found at the inner surface of muscle fibers in skeletal and cardiac muscles. The encoded protein, dystrophin, is part of the dystrophin-glycoprotein complex, which bridges the inner cytoskeleton (F-actin) and the extra-cellular matrix. This protein is required for proper development and organization of myofibers as contractile units in striated muscles. Mutations in the human gene cause Duchenne and Becker Muscular Dystrophies and a form of heart disease called DMD-associated dilated cardiomyopathy. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Sep 2015]



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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).