

## Product datasheet for **SR423168**

### Col24a1 Mouse siRNA Oligo Duplex (Locus ID 71355)

#### 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:	<u><a href="#">NM_027770</a></u>
UniProt ID:	<u><a href="#">Q30D77</a></u>
Synonyms:	5430404K19Rik
Components:	Col24a1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 71355) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes the alpha-1 subunit of type XXIV collagen, one of the low abundance fibril-forming collagens found in cartilage. The encoded protein has structural features of invertebrate fibrillar collagens and is expressed predominantly in bone tissue. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 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).