

Product datasheet for **SR419025**

Alox8 Mouse siRNA Oligo Duplex (Locus ID 11688)

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_009661
UniProt ID:	Q35936
Synonyms:	8-L; 8-LOX; 8S-; 8S-LOX; 15-LOX-2; 15-LOX-B; Alox; Alox15b
Components:	Alox8 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 11688) 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 belongs to the lipoxygenase (LOX) gene family whose members encode enzymes that catalyze the addition of molecular oxygen to polyunsaturated fatty acids (PUFAs) to yield fatty acid hydroperoxides. The encoded enzyme preferentially metabolizes arachidonic acid to yield 8-hydroxyeicosatetraenoic acid (8-HETE), while metabolizing linoleic acid less efficiently. The gene may also function as a tumor suppressor. This gene is located in a cluster of related genes that spans approximately 75 kilobases on chromosome 11. [provided by RefSeq, Jan 2013]



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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).