

Product datasheet for **SR421243**

Aass Mouse siRNA Oligo Duplex (Locus ID 30956)

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_013930
UniProt ID:	Q99K67
Synonyms:	LKR; LKR/SDH; Lo; LOR; LOR/SDH; Lorsdh; SDH
Components:	Aass (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 30956) 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 a bifunctional mitochondrial protein that catalyzes the first two steps in the lysine degradation pathway. The N-terminus contains lysine-ketoglutarate reductase activity and converts lysine to saccharopine, whereas the C-terminus contains saccharopine dehydrogenase activity and converts saccharopine to alpha-aminoadipate semialdehyde. Mutations in a human gene encoding a highly similar protein are associated with familial hyperlysinemia. [provided by RefSeq, Jul 2008]



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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).