

Product datasheet for **SR406923**

Aph1a Mouse siRNA Oligo Duplex (Locus ID 226548)

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_146104 , NM_146134
UniProt ID:	Q8BVF7
Synonyms:	6530402N02Rik; APH-1a
Components:	Aph1a (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 226548) 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 subunit of the gamma-secretase complex, which is localized to the endoplasmic reticulum and golgi apparatus. Gamma-secretase is a multi-protein enzyme that catalyzes intramembraneous proteolysis of type I transmembrane proteins and is essential for many signaling pathways, including the Notch signaling pathway. Studies suggest that the protein encoded by this locus binds directly to substrates of the gamma-secretase complex, including the beta-amyloid precursor protein which is associated with Alzheimer disease progression. This gene is required for normal embryonic development and survival, and disruption is associated with defects in the yolk sack angiogenesis, neural tube formation, and somitogenesis. A pseudogene of this gene is located on chromosome 1. Alternative splicing results in multiple transcript variants. [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).