

## Product datasheet for **SR417748**

### Mag Mouse siRNA Oligo Duplex (Locus ID 17136)

#### 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:	<a href="#">NM_010758</a>
UniProt ID:	<a href="#">P20917</a>
Synonyms:	Gm; Gma; sigle; siglec-4a
Components:	Mag (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 17136) 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 type I membrane protein and member of the immunoglobulin-like superfamily. It is expressed in myelinating glial cells, including oligodendrocytes of the central nervous system and Schwann cells of the peripheral nervous system. Mice lacking the encoded protein express abundant myelin, but suffer long-term axon degeneration, altered distribution of channels and adhesion molecules at nodes of Ranvier, and altered axon cytoskeletal structure. While not required for myelination, the encoded protein enhances axon-myelin stability, helps to structure nodes of Ranvier, and regulates the axon cytoskeleton. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]



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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).