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Product datasheet for SR418335

Tkt Mouse siRNA Oligo Duplex (Locus ID 21881)

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_009388
UniProt ID:	P40142
Synonyms:	p6; p68
Components:	Tkt (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 21881) 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 an enzyme that binds magnesium and thiamine pyrophosphate and catalyzes the transfer of sugar phosphates to an aldose acceptor. This enzyme is a key component of the pentose phosphate pathway during glycolysis. It is significantly expressed in the cornea and may be involved in the cellular response against oxidative stress. Haploinsufficiency of this gene leads to decreased growth and reduction of adipose tissue. [provided by RefSeq, Dec 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).