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Product datasheet for SR406060

Prdx6b Mouse siRNA Oligo Duplex (Locus ID 320769)

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_177256, NR_033713
Synonyms:	1-cysPrx-P1; 4930414C22Rik; Aop2-rs1; Prdx5-rs1; Prdx6-ps1; Prdx6-rs1; Prdx6-rs1-ps
Components:	Prdx6b (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 320769) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This intronless gene is similar to the multi-exon peroxiredoxin 6 gene located on chromosome 1. It is transcribed and the ORF is intact compared to that of the peroxiredoxin 6 gene. This gene could be considered a transcribed pseudogene based on a failure to detect the protein in vivo in PMID:14644414. However, NCBI is representing the protein due to mass spectrometry data in PMID:18614015, which detected at least one peptide that is specific for this protein. [provided by RefSeq, Mar 2011]

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).