

Product datasheet for **SR404146**

Resp18 Mouse siRNA Oligo Duplex (Locus ID 19711)

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_009049 , NR_138251
UniProt ID:	P47939
Synonyms:	AI851012
Components:	Resp18 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 19711) 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 secreted protein that is expressed mainly in the peripheral endocrine and neuroendocrine tissues and is regulated by physiological factors that include blood glucose and dopaminergic drugs. The encoded protein is found in the lumen of the endoplasmic reticulum and is degraded in the post-ER pre-Golgi compartment. Gene knockout experiments in mice demonstrate that this gene is essential for embryonic development with embryonic lethality occurring before embryonic day 9.5. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 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. 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).