

Product datasheet for **SR417371**

Phf1 Mouse siRNA Oligo Duplex (Locus ID 21652)

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_001302397 , NM_009343 , NR_126158
UniProt ID:	Q9Z1B8
Synonyms:	AW557215; D17Ert455; D17Ert455e; mPc; Pcl1; PHF; Phf2; Tctex3
Components:	Phf1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 21652) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene belongs to the polycomb-like protein family, which is a component of polycomb repressive complex-2. This complex represses gene expression by catalyzing the trimethylation of histone H3 lysine 27 and is required for the regulation of developmental genes including homeotic genes. The gene is expressed primarily in testis tissue. Small interfering RNA-mediated knockdown in cultured cell lines results in changes in homeotic gene expression coincident with alterations in promoter methylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]



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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).