

Product datasheet for **SR407003**

Pdyn Mouse siRNA Oligo Duplex (Locus ID 18610)

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_001286502 , NM_018863
Synonyms:	Dy; Dyn
Components:	Pdyn (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 18610) 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 preproprotein that is proteolytically cleaved to yield a number of active opium-like peptides. These peptides are the endogenous ligands for the Kappa-opioid receptor and similar G-protein-coupled receptors and are thought to function as the body's natural way to control addiction. These peptides have been associated with depression, stress, anxiety, response to pain, and maintenance of homeostasis via circadian rhythms and control of appetite. Mutations in the related human gene have been linked to the neurodegenerative disease spinocerebellar ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 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).