

Product datasheet for **SR407707**

MIIP Mouse siRNA Oligo Duplex (Locus ID 69642)

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_027150 , NM_001368955 , NM_001368956 , NM_001368957 , NM_001368958 , NM_001368959 , NM_001368960 , NM_001368961 , NM_001368962 , NM_001368963 , NM_001368964 , NM_001368965 , NM_001368966 , NM_001368967 , NM_001368968 , NM_001368969 , NM_001368970 , NM_001368971 , NM_001368972 , NM_001368973 , NM_001368974 , NM_001368975 , NM_001368976 , NM_001368977 , NM_001368978 , NM_001368979 , NM_001368980 , NM_001368981 , NM_001368982 , NM_001368983 , NM_001368984 , NM_001368985 , NM_001368986 , NM_001368987 , NM_001368988 , NM_001368989
UniProt ID:	Q5FW52
Synonyms:	2310046A06Rik; AI931782; CIP
Components:	MIIP (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 69642) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Required for precocious cardiac adaptation to stress through integrated regulation of the AKT/mTOR pathways and FOXO1. Regulates cardiac homeostasis and plays an important role in protection against cardiac hypertrophy (PubMed:26359501, PubMed:22343712, PubMed:26436652). Acts as a transcriptional cofactor, represses transactivator activity of ISL1 and MYOCD (PubMed:22343712).[UniProtKB/Swiss-Prot Function]



[View online »](#)

**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).