

Product datasheet for **SR405360**

Twist1 Mouse siRNA Oligo Duplex (Locus ID 22160)

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_011658
UniProt ID:	P26687
Synonyms:	bHLHa; bHLHa38; M-Twi; M-Twist; pd; Pde; pdt; Pluri; Ska; Ska10; Skā Twist
Components:	Twist1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 22160) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Basic helix-loop-helix (bHLH) transcription factors have been implicated in cell lineage determination and differentiation. This gene encodes a bHLH transcription factor that is evolutionarily conserved from invertebrates to humans, and was originally identified in <i>Drosophila</i> as an essential gene involved in early mesoderm development and dorsal-ventral patterning in the embryo. This protein plays a role in cancer by regulating the epithelial-mesenchymal transition (EMT), a process that is critical for metastasis initiation, and promoting tumor progression. Mutations in the human gene are associated with Saethre-Chotzen syndrome (SCS). Mice with heterozygous mutations in this gene exhibit cranofacial and structural defects similar to those seen in human SCS patients. [provided by RefSeq, Sep 2015]



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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).