

Product datasheet for **SR310773**

KIF27 Human siRNA Oligo Duplex (Locus ID 55582)

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_001271927 , NM_001271928 , NM_017576 , NM_001354069 , NM_001354070 , NM_001354071
UniProt ID:	Q86VH2
Components:	KIF27 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 55582) 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 is a member of the KIF27 (kinesin 4) sub-family of the mammalian kinesin family. The gene is an ortholog of the Drosophila Cos2 gene, which plays an important role in the Hedgehog signaling pathway. The encoded protein contains an N-terminal motor domain which includes nucleotide-binding and microtubule-interacting regions, a stalk domain containing a predicted coiled coil motif and a C-terminal tail domain. Alternatively spliced transcript variants have been observed for this gene. Pseudogenes associated with this gene are located on chromosome 9. [provided by RefSeq, Dec 2012]



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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).