

Product datasheet for **SR323580**

SIRT3 Human siRNA Oligo Duplex (Locus ID 23410)

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_001017524 , NM_012239 , NM_001370312 , NM_001370314 , NM_001370316 , NM_001370318 , NM_001370319 , NM_001370325 , NR_163386 , NR_163388 , NR_163389 , NR_163390 , NR_163391 , NR_163393 , NR_163394 , NR_163398 , NR_163399 , NR_163400 , NR_163401 , NM_001370310 , NM_001370315 , NM_001370317 , NM_001370320 , NM_001370321 , NM_001370322 , NM_001370323 , NM_001370324 , NR_163387 , NR_163392 , NR_163395 , NR_163396 , NR_163397 , NR_163402
UniProt ID:	Q9NTG7
Synonyms:	SIR2L3
Components:	SIRT3 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 23410) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control. [provided by RefSeq, May 2019]



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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).