

Product datasheet for **SR310532**

MSTO1 Human siRNA Oligo Duplex (Locus ID 55154)

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_001256532 , NM_001256533 , NM_018116 , NR_046292 , NR_046293 , NR_046294 , NR_046295 , NM_001350772 , NM_001350773 , NM_001350774 , NM_001350775 , NM_001350776 , NM_001350777 , NM_001350778 , NM_001350779 , NM_001350780 , NM_001350781 , NM_001350782 , NM_001350783 , NM_001350784 , NM_001350785 , NM_001350786 , NM_001350787 , NM_001350788 , NM_001350789 , NR_146907 , NR_146908
UniProt ID:	Q9BUK6
Synonyms:	LST005; MMYAT; MST
Components:	MSTO1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 55154) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Involved in the regulation of mitochondrial distribution and morphology (PubMed:17349998, PubMed:28554942, PubMed:28544275). Required for mitochondrial fusion and mitochondrial network formation (PubMed:28554942, PubMed:28544275).[UniProtKB/Swiss-Prot Function]



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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).