

Product datasheet for **SR324492**

COA1 Human siRNA Oligo Duplex (Locus ID 55744)

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_001321197 , NM_001321198 , NM_001321199 , NM_001321200 , NM_001321201 , NM_001321202 , NM_001321203 , NM_001321204 , NM_001321205 , NM_018224 , NR_047701 , NR_135580 , NR_135581 , NR_135582 , NR_135583 , NM_001350924 , NM_001350925 , NM_001350926 , NM_001350927 , NM_001350928 , NR_146941 , NR_146940 , NR_146942 , NR_146943 , NR_146944 , NR_146945
UniProt ID:	Q9GZY4
Synonyms:	C7orf44; MITRAC15
Components:	COA1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 55744) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Component of the MITRAC (mitochondrial translation regulation assembly intermediate of cytochrome c oxidase complex) complex, that regulates cytochrome c oxidase assembly. MITRAC complexes regulate both translation of mitochondrial encoded components and assembly of nuclear-encoded components imported in mitochondrion. Required for assembly of mitochondrial respiratory chain complex I and complex IV.[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).