

Product datasheet for **SR310729**

NDUFAF7 Human siRNA Oligo Duplex (Locus ID 55471)

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:	<u>NM_001083946</u> , <u>NM_018607</u> , <u>NM_144736</u> , <u>NM_001350024</u> , <u>NM_001350025</u> , <u>NM_001350027</u> , <u>NR_146401</u> , <u>NR_146402</u> , <u>NR_146403</u> , <u>NR_146404</u> , <u>NR_146405</u> , <u>NR_146406</u> , <u>NR_146407</u> , <u>NR_146408</u> , <u>NR_146409</u> , <u>NR_146410</u>
UniProt ID:	<u>Q7L592</u>
Synonyms:	C2orf56; MidA; PRO1853
Components:	NDUFAF7 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 55471) 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 encodes an assembly factor protein which helps in the assembly and stabilization of Complex I, a large multi-subunit enzyme in the mitochondrial respiratory chain. Complex I is involved in several physiological activities in the cell, including metabolite transport and ATP synthesis. The encoded protein is a methyltransferase which methylates Arg85 of a subunit of Complex I in the early stages of its assembly. A pseudogene related to this gene is located on chromosome 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]


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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).