

## Product datasheet for **SR312352**

### **C20orf7 (NDUFAF5) Human siRNA Oligo Duplex (Locus ID 79133)**

#### **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><a href="#">NM_001039375</a></u> , <u><a href="#">NM_024120</a></u> , <u><a href="#">NM_199052</a></u> , <u><a href="#">NR_029377</a></u> , <u><a href="#">NM_001352403</a></u> , <u><a href="#">NM_001352406</a></u> , <u><a href="#">NM_001352407</a></u> , <u><a href="#">NM_001352408</a></u> , <u><a href="#">NR_147978</a></u> , <u><a href="#">NR_147979</a></u> , <u><a href="#">NR_147980</a></u> , <u><a href="#">NR_147981</a></u> , <u><a href="#">NR_147982</a></u> , <u><a href="#">NR_147983</a></u>
UniProt ID:	<u><a href="#">Q5TEU4</a></u>
Synonyms:	bA526K24.2; C20orf7; dJ842G6.1; MC1DN16
Components:	NDUFAF5 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 79133) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The NADH-ubiquinone oxidoreductase complex (complex I) of the mitochondrial respiratory chain catalyzes the transfer of electrons from NADH to ubiquinone, and consists of at least 43 subunits. The complex is located in the inner mitochondrial membrane. This gene encodes a mitochondrial protein that is associated with the matrix face of the mitochondrial inner membrane and is required for complex I assembly. A mutation in this gene results in mitochondrial complex I deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]



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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](mailto: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).