

Product datasheet for SR303100

OriGene Technologies, Inc.

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NDUFA8 Human siRNA Oligo Duplex (Locus ID 4702)

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 001318195, NM 014222</u>

UniProt ID: P51970

Synonyms: CI-19KD; CI-PGIV; MC1DN37; PGIV

Components: NDUFA8 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 4702)

Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol

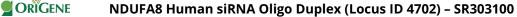
Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

Summary: The protein encoded by this gene belongs to the complex I 19 kDa subunit family.

Mammalian complex I is composed of 45 different subunits. This protein has NADH

dehydrogenase activity and oxidoreductase activity. It plays an important role in transfering electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing of this gene results in multiple

transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]





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).