

## Product datasheet for **SR317910**

### NSUN4 Human siRNA Oligo Duplex (Locus ID 387338)

#### Product data:

|                            |  |
|----------------------------|--|
| <b>Product Type:</b>       | siRNA Oligo Duplexes   |
| <b>Purity:</b>             | HPLC purified  |
| <b>Quality Control:</b>    | Tested by ESI-MS   |
| <b>Sequences:</b>          | Available with shipment  |
| <b>Stability:</b>          | One year from date of shipment when stored at -20°C.   |
| <b># of transfections:</b> | Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).   |
| <b>Note:</b>               | Single siRNA duplex (10nmol) can be ordered.   |
| <b>RefSeq:</b>             | <a href="#">NM_001256127</a> , <a href="#">NM_001256128</a> , <a href="#">NM_199044</a> , <a href="#">NR_045789</a> , <a href="#">NR_045790</a> , <a href="#">NR_045791</a>  |
| <b>UniProt ID:</b>         | <a href="#">Q96CB9</a>   |
| <b>Synonyms:</b>           | SHTAP  |
| <b>Components:</b>         | NSUN4 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 387338)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml   |
| <b>Summary:</b>            | Involved in mitochondrial ribosome assembly. 5-methylcytosine rRNA methyltransferase that probably is involved in mitochondrial ribosome small subunit (SSU) maturation by methylation of mitochondrial 12S rRNA; the function is independent of MTERFD2/MTERF4 and assembled mitochondrial ribosome large subunit (LSU). Targeted to LSU by MTERFD2/MTERF4 and probably is involved in a final step in ribosome biogenesis to ensure that SSU and LSU are assembled. In vitro can methylate 16S rRNA of the LSU; the methylation is enhanced by MTERFD/MTERF4.<br>[UniProtKB/Swiss-Prot Function] |



**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).