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Product datasheet for SR318235

Dystrotelin (DYTN) Human siRNA Oligo Duplex (Locus ID 391475)

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_001093730
UniProt ID:	A2CJ06
Components:	DYTN (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 391475) 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 belongs to the dystrophin superfamily, which is characterized by the presence of four EF-hand motifs and a ZZ-domain. It is a likely ortholog of the Drosophila 'discontinuous actin hexagon' gene. It is noteworthy that the coding region of this gene lacks two coding exons that are found in the mouse ortholog. Human transcripts including these two exons are subject to nonsense-mediated transcript decay (NMD). On the other hand, transcripts skipping the two coding exons are expressed at very low levels. While this gene maintains an intact CDS, it may be an evolving pseudogene. However, after a discussion about this gene within the RefSeq group, as well as in the consensus coding sequence (CCDS) collaboration, it was decided to keep it as a protein-coding gene in the RefSeq, Ensembl-GENCODE and the CCDS sets. [provided by RefSeq, Jul 2019]

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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).