

Product datasheet for SR320839

OriGene Technologies, Inc.

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LETM1 Human siRNA Oligo Duplex (Locus ID 3954)

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 012318</u>

UniProt ID: <u>O95202</u>
Synonyms: SLC55A1

Components: LETM1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 3954)

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 a protein that is localized to the inner mitochondrial membrane. The

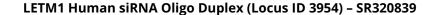
protein functions to maintain the mitochondrial tubular shapes and is required for normal

mitochondrial morphology and cellular viability. Mutations in this gene cause Wolf-

Hirschhorn syndrome, a complex malformation syndrome caused by the deletion of parts of

the distal short arm of chromosome 4. Related pseudogenes have been identified on

chromosomes 8, 15 and 19. [provided by RefSeq, Oct 2009]





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).