

## Product datasheet for **SR310278**

### **SYTL2 Human siRNA Oligo Duplex (Locus ID 54843)**

#### **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_001162951</a> , <a href="#">NM_001162952</a> , <a href="#">NM_001162953</a> , <a href="#">NM_001289608</a> , <a href="#">NM_001289609</a> , <a href="#">NM_001289610</a> , <a href="#">NM_017695</a> , <a href="#">NM_032379</a> , <a href="#">NM_032943</a> , <a href="#">NM_206927</a> , <a href="#">NM_206928</a> , <a href="#">NM_206929</a> , <a href="#">NM_206930</a> , <a href="#">NM_001365826</a> , <a href="#">NM_001365828</a> , <a href="#">NM_001365833</a> , <a href="#">NM_001365827</a> , <a href="#">NM_001365829</a> , <a href="#">NM_001365830</a> , <a href="#">NM_001365831</a> , <a href="#">NM_001365832</a> , <a href="#">NM_001365834</a> , <a href="#">NM_001365835</a>
<b>UniProt ID:</b>	<a href="#">Q9HCH5</a>
<b>Synonyms:</b>	CHR11SYT; EXO4; PPP1R151; SGA72M; SLP2; SLP2A
<b>Components:</b>	SYTL2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 54843) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
<b>Summary:</b>	The protein encoded by this gene is a synaptotagmin-like protein (SLP) that belongs to a C2 domain-containing protein family. The SLP homology domain (SHD) of this protein has been shown to specifically bind the GTP-bound form of Ras-related protein Rab-27A (RAB27A). This protein plays a role in RAB27A-dependent vesicle trafficking and controls melanosome distribution in the cell periphery. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Jun 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).