

## Product datasheet for **SR314311**

### Granuphilin (SYTL4) Human siRNA Oligo Duplex (Locus ID 94121)

#### 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:	<a href="#">NM_001129896</a> , <a href="#">NM_001174068</a> , <a href="#">NM_080737</a> , <a href="#">NM_001370161</a> , <a href="#">NM_001370162</a> , <a href="#">NM_001370164</a> , <a href="#">NM_001370166</a> , <a href="#">NM_001370168</a> , <a href="#">NM_001370160</a> , <a href="#">NM_001370163</a> , <a href="#">NM_001370165</a> , <a href="#">NM_001370167</a> , <a href="#">NM_001370169</a>
UniProt ID:	<a href="#">Q96C24</a>
Synonyms:	SLP4
Components:	SYTL4 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 94121) 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 member of the synaptotagmin like protein family. Members of this family are characterized by an N-terminal Rab27 binding domain and C-terminal tandem C2 domains. The encoded protein binds specific small Rab GTPases and is involved in intracellular membrane trafficking. This protein binds Rab27 and may be involved in inhibiting dense core vesicle exocytosis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Mar 2010]



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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).