

## Product datasheet for **SR309833**

### PPHLN1 Human siRNA Oligo Duplex (Locus ID 51535)

#### 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_001143787</a> , <a href="#">NM_001143788</a> , <a href="#">NM_001143789</a> , <a href="#">NM_016488</a> , <a href="#">NM_201438</a> , <a href="#">NM_201439</a> , <a href="#">NM_201440</a> , <a href="#">NM_201515</a> , <a href="#">NM_001364829</a> , <a href="#">NM_001364823</a> , <a href="#">NM_001364824</a> , <a href="#">NM_001364825</a> , <a href="#">NM_001364827</a> , <a href="#">NM_001364828</a> , <a href="#">NM_001364830</a> , <a href="#">NM_001364831</a> , <a href="#">NM_001364833</a> , <a href="#">NM_001364822</a> , <a href="#">NM_001364826</a> , <a href="#">NM_001364832</a> , <a href="#">NM_001364834</a>
UniProt ID:	<a href="#">Q8NEY8</a>
Synonyms:	CR; HSPC206; HSPC232
Components:	PPHLN1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 51535) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene is one of the several proteins that become sequentially incorporated into the cornified cell envelope during the terminal differentiation of keratinocyte at the outer layers of epidermis. This protein interacts with periplakin, which is known as a precursor of the cornified cell envelope. The cellular localization pattern and insolubility of this protein suggest that it may play a role in epithelial differentiation and contribute to epidermal integrity and barrier formation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]



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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).