

## Product datasheet for **SR313376**

### ASCC2 Human siRNA Oligo Duplex (Locus ID 84164)

#### 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_001242906</a> , <a href="#">NM_032204</a> , <a href="#">NM_001369921</a> , <a href="#">NM_001369922</a> , <a href="#">NM_001369925</a> , <a href="#">NM_001369926</a> , <a href="#">NM_001369927</a> , <a href="#">NM_001369930</a> , <a href="#">NM_001369931</a> , <a href="#">NM_001369936</a> , <a href="#">NM_001369938</a> , <a href="#">NM_001369939</a> , <a href="#">NM_001369942</a> , <a href="#">NM_001369945</a> , <a href="#">NM_001369949</a> , <a href="#">NM_001369920</a> , <a href="#">NM_001369923</a> , <a href="#">NM_001369924</a> , <a href="#">NM_001369928</a> , <a href="#">NM_001369929</a> , <a href="#">NM_001369932</a> , <a href="#">NM_001369933</a> , <a href="#">NM_001369934</a> , <a href="#">NM_001369935</a> , <a href="#">NM_001369937</a> , <a href="#">NM_001369940</a> , <a href="#">NM_001369941</a> , <a href="#">NM_001369943</a> , <a href="#">NM_001369944</a> , <a href="#">NM_001369946</a> , <a href="#">NM_001369947</a> , <a href="#">NM_001369948</a> , <a href="#">NM_001369950</a>
UniProt ID:	<a href="#">Q9H1I8</a>
Synonyms:	ASC1p100; p100
Components:	ASCC2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 84164) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Plays a role in DNA damage repair as component of the ASCC complex. Recruits ASCC3 and ALKBH3 to sites of DNA damage by binding to polyubiquitinated proteins that have 'Lys-63'-linked polyubiquitin chains (PubMed:29144457). Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation (PubMed:12077347).[UniProtKB/Swiss-Prot Function]



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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).