

## Product datasheet for **SR311761**

### ARHGAP22 Human siRNA Oligo Duplex (Locus ID 58504)

#### 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_001256024</a> , <a href="#">NM_001256025</a> , <a href="#">NM_001256026</a> , <a href="#">NM_021226</a> , <a href="#">NR_045675</a> , <a href="#">NM_001347735</a> , <a href="#">NM_001347736</a> , <a href="#">NM_001347737</a> , <a href="#">NM_001347738</a> , <a href="#">NR_144642</a> , <a href="#">NR_144643</a> , <a href="#">NR_144644</a> , <a href="#">NR_144645</a> , <a href="#">NR_144646</a> , <a href="#">NM_001256027</a>
UniProt ID:	<a href="#">Q7Z5H3</a>
Synonyms:	RhoGAP2; RhoGap22
Components:	ARHGAP22 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 58504) 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 GTPase activating protein family which activates a GTPase belonging to the RAS superfamily of small GTP-binding proteins. The encoded protein is insulin-responsive, is dependent on the kinase Akt and requires the Akt-dependent 14-3-3 binding protein which binds sequentially to two serine residues. The result of these interactions is regulation of cell motility. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]



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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).