

Product datasheet for **SR309101**

Rabex5 (RABGEF1) Human siRNA Oligo Duplex (Locus ID 27342)

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:	NM_001287060 , NM_001287061 , NM_001287062 , NM_014504 , NR_104676 , NM_001367755 , NM_001367724 , NM_001367726 , NM_001367727 , NM_001367729 , NM_001367730 , NM_001367733 , NM_001367734 , NM_001367736 , NM_001367738 , NM_001367739 , NM_001367740 , NM_001367741 , NM_001367742 , NM_001367745 , NM_001367746 , NM_001367748 , NM_001367749 , NM_001367751 , NM_001367752 , NM_001367753 , NM_001367756 , NR_160287 , NM_001367722 , NM_001367723 , NM_001367725 , NM_001367728 , NM_001367731 , NM_001367732 , NM_001367735 , NM_001367737 , NM_001367743 , NM_001367744 , NM_001367747 , NM_001367750 , NM_001367754
UniProt ID:	Q9UJ41
Synonyms:	rabex-5; RABEX5; RAP1
Components:	RABGEF1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 27342) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	RABGEF1 forms a complex with rabaptin-5 (RABPT5; MIM 603616) that is required for endocytic membrane fusion, and it serves as a specific guanine nucleotide exchange factor (GEF) for RAB5 (RAB5A; MIM 179512) (Horiuchi et al., 1997 [PubMed 9323142]).[supplied by OMIM, 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. 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).