

Product datasheet for **SR303550**

PLAGL1 Human siRNA Oligo Duplex (Locus ID 5325)

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_001080951 , NM_001080952 , NM_001080953 , NM_001080954 , NM_001080955 , NM_001080956 , NM_001289037 , NM_001289038 , NM_001289039 , NM_001289040 , NM_001289041 , NM_001289042 , NM_001289043 , NM_001289044 , NM_001289045 , NM_001289046 , NM_001289047 , NM_001289048 , NM_001289049 , NM_001317156 , NM_001317157 , NM_001317158 , NM_001317159 , NM_001317160 , NM_001317161 , NM_001317162 , NM_002656 , NM_006718
UniProt ID:	Q9UM63
Synonyms:	LOT1; ZAC; ZAC1
Components:	PLAGL1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 5325) 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 C2H2 zinc finger protein that functions as a suppressor of cell growth. This gene is often deleted or methylated and silenced in cancer cells. In addition, overexpression of this gene during fetal development is thought to be the causal factor for transient neonatal diabetes mellitus (TNDM). Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding two different protein isoforms. The P1 downstream promoter of this gene is imprinted, with preferential expression from the paternal allele in many tissues. [provided by RefSeq, Nov 2015]



[View online »](#)

**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).