

## Product datasheet for **SR311322**

### **RARS2 Human siRNA Oligo Duplex (Locus ID 57038)**

#### **Product data:**

<b>Product Type:</b>	siRNA Oligo Duplexes
<b>Purity:</b>	HPLC purified
<b>Quality Control:</b>	Tested by ESI-MS
<b>Sequences:</b>	Available with shipment
<b>Stability:</b>	One year from date of shipment when stored at -20°C.
<b># of transfections:</b>	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
<b>Note:</b>	Single siRNA duplex (10nmol) can be ordered.
<b>RefSeq:</b>	<a href="#">NM_001318785</a> , <a href="#">NM_020320</a> , <a href="#">NR_134857</a> , <a href="#">NM_001350505</a> , <a href="#">NM_001350506</a> , <a href="#">NM_001350507</a> , <a href="#">NM_001350508</a> , <a href="#">NM_001350509</a> , <a href="#">NM_001350510</a> , <a href="#">NM_001350511</a> , <a href="#">NR_146738</a> , <a href="#">NR_146739</a> , <a href="#">NR_146740</a> , <a href="#">NR_146741</a> , <a href="#">NR_146742</a> , <a href="#">NR_146743</a> , <a href="#">NR_146744</a> , <a href="#">NR_146745</a> , <a href="#">NR_146746</a> , <a href="#">NR_146747</a> , <a href="#">NR_146748</a> , <a href="#">NR_146749</a> , <a href="#">NR_146750</a> , <a href="#">NR_146751</a> , <a href="#">NR_146752</a> , <a href="#">NR_146753</a> , <a href="#">NR_146754</a> , <a href="#">NR_146755</a> , <a href="#">NR_146756</a> , <a href="#">NR_146757</a> , <a href="#">NR_146758</a> , <a href="#">NR_146759</a>
<b>UniProt ID:</b>	<a href="#">Q5T160</a>
<b>Synonyms:</b>	ArgRS; DALRD2; PCH6; PRO1992; RARSL
<b>Components:</b>	RARS2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 57038) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
<b>Summary:</b>	This nuclear gene encodes a protein that localizes to the mitochondria, where it catalyzes the transfer of L-arginine to its cognate tRNA, an important step in translation of mitochondrially-encoded proteins. Defects in this gene are a cause of pontocerebellar hypoplasia type 6 (PCH6). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]



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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).