

## Product datasheet for **SR307686**

### DNA Polymerase iota (POLI) Human siRNA Oligo Duplex (Locus ID 11201)

#### 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_007195</a> , <a href="#">NM_001351610</a> , <a href="#">NM_001351611</a> , <a href="#">NM_001351612</a> , <a href="#">NM_001351613</a> , <a href="#">NM_001351614</a> , <a href="#">NM_001351615</a> , <a href="#">NM_001351616</a> , <a href="#">NM_001351617</a> , <a href="#">NM_001351618</a> , <a href="#">NM_001351619</a> , <a href="#">NM_001351620</a> , <a href="#">NM_001351621</a> , <a href="#">NM_001351632</a> , <a href="#">NR_147257</a>
UniProt ID:	<a href="#">Q9UNA4</a>
Synonyms:	eta2; RAD3OB; RAD30B
Components:	POLI (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 11201) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene is an error-prone DNA polymerase involved in DNA repair. The encoded protein promotes DNA synthesis across lesions in the template DNA, which other polymerases cannot do. The encoded polymerase inserts deoxynucleotides across lesions and then relies on DNA polymerase zeta to extend the nascent DNA strand to bypass the lesion. [provided by RefSeq, May 2017]



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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).