

## Product datasheet for **SR318990**

### **RSPH10B2 Human siRNA Oligo Duplex (Locus ID 728194)**

#### **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_001099697</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt ID:         | <a href="#">B2RC85</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Components:         | RSPH10B2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 728194)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml                                                                                                                                                                                                                                                                                                                                                                                          |
| Summary:            | This gene encodes a protein component of the radial spoke head in flagella and motile cilia. Eukaryotic flagella and motile cilia share a common 9 + 2 structure, in which nine peripheral microtubule doublets (MTDs) surround a central-pair of microtubules (CP), with radial spokes connecting the MTDs to the CP. The radial spoke is a multi-protein complex that works as a mechanochemical transducer between the CP and the MTDs. The radial spoke contributes to the regulation of the activity of dynein motors, and thus to flagellar motility. PMID: 22754630 provides a good review of radial spokes. [provided by RefSeq, Jul 2017] |



[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](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).