

## Product datasheet for **SR312158**

### PLEKHG2 Human siRNA Oligo Duplex (Locus ID 64857)

#### 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_022835</a> , <a href="#">NM_001351693</a> , <a href="#">NM_001351694</a>                                                                                                                                                                                                                                                                                                                  |
| UniProt ID:         | <a href="#">Q9H7P9</a>                                                                                                                                                                                                                                                                                                                                                                                   |
| Synonyms:           | ARHGEF42; CLG; CTB-60E11.4; LDAMD                                                                                                                                                                                                                                                                                                                                                                        |
| Components:         | PLEKHG2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 64857)<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:            | The protein encoded by this gene is a RhoGTPase that can activate CDC42 by promoting exchange of GDP for GTP on CDC42. The encoded protein is activated by binding to the beta and gamma subunits of heterotrimeric guanine nucleotide-binding protein. Defects in this gene have been associated with leukodystrophy and acquired microcephaly with or without dystonia. [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).