

## Product datasheet for **SR314614**

### SH2D1B Human siRNA Oligo Duplex (Locus ID 117157)

#### 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_053282</a>                                                                                                                                                                                                                                                                                                                                                                                                   |
| UniProt ID:             | <a href="#">O14796</a>                                                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms:               | EAT2                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Components:             | SH2D1B (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 117157)<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:                | By binding phosphotyrosines through its free SRC (MIM 190090) homology-2 (SH2) domain, EAT2 regulates signal transduction through receptors expressed on the surface of antigen-presenting cells (Morra et al., 2001 [PubMed 11689425]).[supplied by OMIM, Mar 2008]                                                                                                                                                        |
| 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).



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