

## **Product datasheet for SR321632**

#### OriGene Technologies, Inc.

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### **ROBO1 Human siRNA Oligo Duplex (Locus ID 6091)**

#### **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: <u>NM 001145844, NM 001145845, NM 002941, NM 133631</u>

UniProt ID: Q9Y6N7

**Synonyms:** axon guidance receptor; DUTT1; FLJ21882; MGC131599; MGC133277; roundabout, axon

guidance receptor, homolog 1 (Drosophila); roundabout 1; SAX3

Components: ROBO1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 6091)

Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol

Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

**Summary:** Bilateral symmetric nervous systems have special midline structures that establish a partition

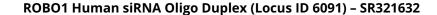
between the two mirror image halves. Some axons project toward and across the midline in response to long-range chemoattractants emanating from the midline. The product of this gene is a member of the immunoglobulin gene superfamily and encodes an integral membrane protein that functions in axon guidance and neuronal precursor cell migration.

This receptor is activated by SLIT-family proteins, resulting in a repulsive effect on glioma cell

guidance in the developing brain. A related gene is located at an adjacent region on chromosome 3. Multiple transcript variants encoding different isoforms have been found for

this gene. [provided by RefSeq, Mar 2009]







# 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. 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).