

Product datasheet for SR325171

OriGene Technologies, Inc.

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SLC38A1 Human siRNA Oligo Duplex (Locus ID 81539)

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: NM 001077484, NM 001278387, NM 001278388, NM 001278389, NM 001278390,

NM 030674

UniProt ID: Q9H2H9

Synonyms: ATA1; NAT2; SAT1; SNAT1

Components: SLC38A1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 81539)

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

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

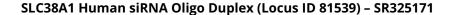
Summary: Amino acid transporters play essential roles in the uptake of nutrients, production of energy,

chemical metabolism, detoxification, and neurotransmitter cycling. SLC38A1 is an important

transporter of glutamine, an intermediate in the detoxification of ammonia and the

production of urea. Glutamine serves as a precursor for the synaptic transmitter, glutamate

(Gu et al., 2001 [PubMed 11325958]).[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. 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).