

Product datasheet for SR306303

OriGene Technologies, Inc.

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SLC4A7 Human siRNA Oligo Duplex (Locus ID 9497)

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 001258379, NM 001258380, NM 003615, NM 001321103, NM 001321104,

NM 001321105, NM 001321106, NM 001321107, NM 001321108, NR 135541, NR 135542,

NR 135543, NR 135544

UniProt ID: Q9Y6M7

Synonyms: NBC2; NBC3; NBCN1; SBC2; SLC4A6

Components: SLC4A7 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 9497)

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

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

Summary: This locus encodes a sodium bicarbonate cotransporter. The encoded transmembrane

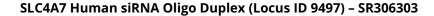
protein appears to transport sodium and bicarbonate ions in a 1:1 ratio, and is thus

considered an electroneutral cotransporter. The encoded protein likely plays a critical role in

regulation of intracellular pH involved in visual and auditory sensory transmission. Alternatively spliced transcript variants encoding distinct isoforms have been described.

[provided by RefSeq, Apr 2012]







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).