

Product datasheet for **SR513311**

Slc47a1 Rat siRNA Oligo Duplex (Locus ID 360539)

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_001014118</u>
UniProt ID:	<u>Q5I0E9</u>
Synonyms:	MATE1; RGD1311123
Components:	Slc47a1 (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 360539) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Solute transporter for tetraethylammonium (TEA), cimetidine, metformin, guanidine, N-methylnicotinamide (NMN) and also the zwitterionic cephalosporin cephalixin. Not a transporter for 1-methyl-4-phenylpyridinium (MPP), procainamide, creatinine, guanidine, p-aminohippurate (PAH) and the anionic cephalosporin cefalozin. MPP-transport activity has been observed in PubMed:16928787 and PubMed:17047166 and may contradict results observed in PubMed:16850272. Seems to also play a role in the uptake of oxaliplatin (a new platinum anticancer agent). Responsible for the secretion of cationic drugs across the brush border membranes.[UniProtKB/Swiss-Prot Function]



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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. 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).