

Product datasheet for **SR422930**

Cps1 Mouse siRNA Oligo Duplex (Locus ID 227231)

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_001080809
UniProt ID:	Q8C196
Synonyms:	4732433M03Rik; C; CPS; D1Ucl; D1Ucl3
Components:	Cps1 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 227231) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes a protein localized to the inner mitochondrial matrix. The encoded protein plays a role in the detoxification of ammonia by catalyzing the first step in the urea cycle in which carbomyl-phosphate is synthesized from ammonia and bicarbonate. Carbamoyl-phosphate is subsequently converted to urea that is excreted by the kidneys. Deficiency of the encoded enzyme leads to an accumulation of ammonia in the blood. High levels of ammonia are toxic to the central nervous system and result in neurological disorders. [provided by RefSeq, Oct 2013]



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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).