

Product datasheet for **SR300572**

CAMK2D Human siRNA Oligo Duplex (Locus ID 817)

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_001221 , NM_001321566 , NM_001321567 , NM_001321568 , NM_001321569 , NM_001321570 , NM_001321571 , NM_001321572 , NM_001321573 , NM_001321574 , NM_001321575 , NM_001321576 , NM_001321577 , NM_001321578 , NM_001321579 , NM_001321580 , NM_001321581 , NM_001321582 , NM_001321583 , NM_001321584 , NM_001321585 , NM_001321586 , NM_001321587 , NM_001321588 , NM_001321589 , NM_001321590 , NM_001321591 , NM_001321592 , NM_172114 , NM_172115 , NM_172127 , NM_172128 , NM_172129
UniProt ID:	Q13557
Synonyms:	CAMKD
Components:	CAMK2D (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 817) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.[provided by RefSeq, Nov 2008]



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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).