

Product datasheet for **SR300573**

CAMK2G Human siRNA Oligo Duplex (Locus ID 818)

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_001204492</u> , <u>NM_001222</u> , <u>NM_001320898</u> , <u>NM_172169</u> , <u>NM_172170</u> , <u>NM_172171</u> , <u>NM_172172</u> , <u>NM_172173</u> , <u>NM_001367547</u> , <u>NM_001367516</u> , <u>NM_001367518</u> , <u>NM_001367525</u> , <u>NM_001367526</u> , <u>NM_001367529</u> , <u>NM_001367534</u> , <u>NM_001367537</u> , <u>NM_001367539</u> , <u>NM_001367540</u> , <u>NM_001367542</u> , <u>NM_001367544</u> , <u>NM_001367545</u> , <u>NR_160042</u> , <u>NR_160045</u> , <u>NR_160263</u> , <u>NM_001367514</u> , <u>NM_001367517</u> , <u>NM_001367519</u> , <u>NM_001367520</u> , <u>NM_001367521</u> , <u>NM_001367522</u> , <u>NM_001367523</u> , <u>NM_001367524</u> , <u>NM_001367527</u> , <u>NM_001367528</u> , <u>NM_001367530</u> , <u>NM_001367531</u> , <u>NM_001367532</u> , <u>NM_001367533</u> , <u>NM_001367535</u> , <u>NM_001367536</u> , <u>NM_001367538</u> , <u>NM_001367541</u> , <u>NM_001367543</u> , <u>NM_001367546</u> , <u>NM_001367548</u> , <u>NR_160040</u> , <u>NR_160041</u> , <u>NR_160044</u> , <u>NR_160046</u> , <u>NR_160047</u>
UniProt ID:	<u>Q13555</u>
Synonyms:	CAMK; CAMK-II; CAMKG; MRD59
Components:	CAMK2G (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 818) 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 is one of the four subunits of an enzyme which 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 gamma chain. Many alternatively spliced transcripts encoding different isoforms have been described but the full-length nature of all the variants has not been determined.[provided by RefSeq, Mar 2011]



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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).