

## Product datasheet for **SR404119**

### Cryga Mouse siRNA Oligo Duplex (Locus ID 12964)

#### 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:	<a href="#">NM_007774</a>
UniProt ID:	<a href="#">P04345</a>
Synonyms:	Cryg-; Cryg-4; DGcry-; DGcry-4; Sec; Secc
Components:	Cryga (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 12964) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Three main families of major soluble proteins, the alpha, beta and gamma crystallins, are ubiquitously expressed in vertebrate lenses. This gene encodes a member of the gamma-crystallin family of proteins which may function as a structural component of the eye lens. Gamma-crystallins are a homogeneous group of highly symmetrical, monomeric proteins typically lacking connecting peptides and terminal extensions. They are differentially regulated after early development. Five gamma-crystallin genes (gamma-A through gamma-E) are tandemly organized in a genomic segment as a gene cluster in the mouse. Another gamma-crystallin gene (gamma-F) is found some distance upstream of the cluster on the same chromosome. Whether due to aging or mutations in specific genes, gamma-crystallins have been involved in cataract formation. [provided by RefSeq, Jul 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](mailto: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).