

## Product datasheet for **SR418416**

### Cwc22 Mouse siRNA Oligo Duplex (Locus ID 80744)

#### Product data:

<b>Product Type:</b>	siRNA Oligo Duplexes
<b>Purity:</b>	HPLC purified
<b>Quality Control:</b>	Tested by ESI-MS
<b>Sequences:</b>	Available with shipment
<b>Stability:</b>	One year from date of shipment when stored at -20°C.
<b># of transfections:</b>	Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).
<b>Note:</b>	Single siRNA duplex (10nmol) can be ordered.
<b>RefSeq:</b>	<u><a href="#">NM_001290740</a></u> , <u><a href="#">NM_030560</a></u> , <u><a href="#">NM_172667</a></u> , <u><a href="#">NM_001362657</a></u> , <u><a href="#">NM_001362658</a></u> , <u><a href="#">NM_001362659</a></u> , <u><a href="#">NM_001362664</a></u>
<b>UniProt ID:</b>	<u><a href="#">Q8C5N3</a></u>
<b>Synonyms:</b>	AA684037; AI173004; AL022752; B230213M24; mKIAA1604
<b>Components:</b>	Cwc22 (Mouse) – 3 unique 27mer siRNA duplexes – 2 nmol each (Locus ID 80744) Included – SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex – 2 nmol Included – SR30005, RNase free siRNA Duplex Resuspension Buffer – 2 ml
<b>Summary:</b>	Required for pre-mRNA splicing as component of the spliceosome. Promotes exon-junction complex (EJC) assembly. Hinders EIF4A3 from non-specifically binding RNA and escorts it to the splicing machinery to promote EJC assembly on mature mRNAs. Through its role in EJC assembly, required for nonsense-mediated mRNA decay.[UniProtKB/Swiss-Prot Function]



**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).