

## Product datasheet for **SR422356**

### Ttl4 Mouse siRNA Oligo Duplex (Locus ID 67534)

#### 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_001014974</a>
UniProt ID:	<a href="#">Q80UG8</a>
Synonyms:	4632407P03Rik; AI451681; mKIAA0173
Components:	Ttl4 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 67534) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Glutamylase which preferentially modifies beta-tubulin and non-tubulin proteins, such as NAP1L1, NAP1L4 and CGAS (PubMed:17499049, PubMed:21074048, PubMed:20530212). Involved in the side-chain initiation step of the polyglutamylation reaction rather than in the elongation step (PubMed:17499049, PubMed:21074048). Involved in formation of short side-chains (PubMed:20530212). Mediates initiation of polyglutamylation of nucleosome assembly proteins NAP1L1 and NAP1L4 (PubMed:17499049). Also acts as a monoglutamylase: generates monoglutamylated CGAS, leading to impair the nucleotidyltransferase activity of CGAS (PubMed:26829768).[UniProtKB/Swiss-Prot Function]



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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).