

## Product datasheet for **SR414210**

### Zc3h12d Mouse siRNA Oligo Duplex (Locus ID 237256)

#### 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><a href="#">NM_172785</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:         | <u><a href="#">Q8BIY3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms:           | D730019B10Rik; TFL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Components:         | Zc3h12d (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 237256)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml                                                                                                                                                                                                                                                                     |
| Summary:            | May regulate cell growth likely by suppressing RB1 phosphorylation (By similarity). May function as RNase and regulate the levels of target RNA species (Potential). In association with ZC3H12A enhances the degradation of interleukin IL-6 mRNA level in activated macrophages (PubMed:26134560). Serve as a tumor suppressor in certain leukemia cells (By similarity). Overexpression inhibits the G1 to S phase progression through suppression of RB1 phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function] |



[View online »](#)

**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).