

## Product datasheet for **SR415074**

### Gfra2 Mouse siRNA Oligo Duplex (Locus ID 14586)

#### 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_001302094</a> , <a href="#">NM_001302095</a> , <a href="#">NM_008115</a>
UniProt ID:	<a href="#">O08842</a>
Components:	Gfra2 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 14586) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The protein encoded by this gene is part of the receptor complex that transduces glial cell-derived neurotrophic factor and neurturin signals by mediating autophosphorylation and activation of the RET receptor. Mice lacking this protein are viable and fertile but display growth retardation attributed to impaired salivary and pancreatic secretion and innervation deficits in the intestinal tract. In addition, knockout mice display neural defects including a failure to initiate outgrowth of dorsal ganglion root neurons, demonstrating a requirement in neuronal differentiation of these cells. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]



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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).