

## Product datasheet for **SR410718**

### Olig2 Mouse siRNA Oligo Duplex (Locus ID 50913)

#### 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_016967</a>
UniProt ID:	<a href="#">Q9EQW6</a>
Synonyms:	A1604895; Bhlhb1; bHLHe19; Olg-2; Oligo2; RK17
Components:	Olig2 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 50913) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain (PubMed:11955448, PubMed:12121626, PubMed:16908628). Functions together with ZNF488 to promote oligodendrocyte differentiation (PubMed:16908628). Cooperates with OLIG1 to establish the pMN domain of the embryonic neural tube (PubMed:11955448, PubMed:12121626). Antagonist of V2 interneuron and of NKX2-2-induced V3 interneuron development (PubMed:11955448, PubMed:12121626).[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).