

## Product datasheet for **SR412119**

### Wnt9b Mouse siRNA Oligo Duplex (Locus ID 22412)

#### 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_011719</a>
UniProt ID:	<a href="#">O35468</a>
Synonyms:	clf; clf1; wnt-14b; wnt-15; Wnt14b; Wnt15
Components:	Wnt9b (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 22412) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt/beta-catenin signaling pathway (PubMed:22461561, PubMed:16054034, PubMed:17537789). Required for normal embryonic kidney development, and for normal development of the urogenital tract, including uterus and part of the oviduct and the upper vagina in females, and epididymis and vas deferens in males (PubMed:16054034). Activates a signaling cascade in the metanephric mesenchyme that induces tubulogenesis (PubMed:16054034, PubMed:17537789). Acts upstream of WNT4 in the signaling pathways that mediate development of kidney tubules and the Mullerian ducts (PubMed:16054034). Plays a role in cranofacial development and is required for normal fusion of the palate during embryonic development (PubMed:16054034, PubMed:22461561, PubMed:25257647).[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).