

Product datasheet for **SR416351**

Angpt4 Mouse siRNA Oligo Duplex (Locus ID 11602)

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:	NM_009641
UniProt ID:	Q9WVH6
Synonyms:	Agpt4; ANG-3; ANG-4; Ang3
Components:	Angpt4 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 11602) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene is a member of the angiopoietin family of secreted growth factors comprising Angiopoietins-1, -2, and -3, all of which bind the TEK Receptor Tyrosine Kinase. Angiopoietin/TEK Receptor Tyrosine Kinase signaling is involved in survival and migration of endothelial cells and regulates vascular remodeling and maintenance of vascular integrity. Angiopoietin/TEK Receptor Tyrosine Kinase signaling is also required for lymphangiogenesis. Family members bind TEK Receptor Tyrosine Kinase as multimeric clusters but their oligomerization properties differ from one another and this is thought to provide a mechanistic basis for their distinct physiologic roles. [provided by RefSeq, Jul 2016]



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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. 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).