

## Product datasheet for **SR304827**

### Thrombopoietin (THPO) Human siRNA Oligo Duplex (Locus ID 7066)

#### 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_000460</a></u> , <u><a href="#">NM_001177597</a></u> , <u><a href="#">NM_001177598</a></u> , <u><a href="#">NM_001289997</a></u> , <u><a href="#">NM_001289998</a></u> , <u><a href="#">NM_001290003</a></u> , <u><a href="#">NM_001290022</a></u> , <u><a href="#">NM_001290026</a></u> , <u><a href="#">NM_001290027</a></u> , <u><a href="#">NM_001290028</a></u> , <u><a href="#">NM_199228</a></u> , <u><a href="#">NM_199356</a></u>
UniProt ID:	<u><a href="#">P40225</a></u>
Synonyms:	MGDF; MKCSF; ML; MPLLG; THCYT1; TPO
Components:	THPO (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 7066) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Megakaryocytopoiesis is the cellular development process that leads to platelet production. The main functional protein encoded by this gene is a humoral growth factor that is necessary for megakaryocyte proliferation and maturation, as well as for thrombopoiesis. This protein is the ligand for MLP/C_MPL, the product of myeloproliferative leukemia virus oncogene. Mutations in this gene are the cause of thrombocythemia 1. Alternative promoter usage and differential splicing result in multiple transcript variants differing in the 5' UTR and/or coding region. Multiple AUG codons upstream of the main open reading frame (ORF) have been identified, and these upstream AUGs inhibit translation of the main ORF at different extent. [provided by RefSeq, Feb 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).