

Product datasheet for **SR407490**

Trem14 Mouse siRNA Oligo Duplex (Locus ID 224840)

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_001033922 , NM_001163795 , NM_001163796 , NM_172623
UniProt ID:	Q3LRV9
Synonyms:	5031403H21Rik; BB137214; IDCP1; TLT-4; TLT4; Trem13
Components:	Trem14 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 224840) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Positively regulates Toll-like receptor signaling via TLR7, TLR9 and TLR13 in neutrophils and splenic macrophages (PubMed:25848864). Regulates TLR7 signaling by controlling ligand-induced recruitment of TLR7 from the endoplasmic reticulum to endosomes and lysosomes (PubMed:25848864). Positively regulates Toll-like receptor TLR9-induced production of inflammatory cytokines but is dispensable for IFNB1 production (PubMed:25848864). Involved in the anti-viral response to several viruses including influenza virus, vesicular stomatitis virus and cytomegalovirus (PubMed:25848864). Binds to late apoptotic, and necrotic cells, but not living or early apoptotic cells, but is not essential for uptake of dying cells by dendritic cells (DCs) (PubMed:22210914, PubMed:19155473, PubMed:25848864). Does not bind nucleic acids (PubMed:25848864). May participate in antigen presentation (PubMed:22210914).[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. 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).