

Product datasheet for **SR304833**

TIA1 Human siRNA Oligo Duplex (Locus ID 7072)

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_022037 , NM_022173 , NM_001351508 , NM_001351509 , NM_001351510 , NM_001351511 , NM_001351512 , NM_001351513 , NM_001351514 , NM_001351515 , NM_001351516 , NM_001351517 , NM_001351518 , NM_001351519 , NM_001351520 , NM_001351521 , NM_001351522 , NM_001351523 , NM_001351524 , NM_001351525 , NR_147216 , NR_147217 , NR_147218 , NR_147219 , NR_147220 , NR_147221 , NR_147222 , NR_147223 , NR_147224 , NR_147225 , NR_147226 , NR_147227 , NR_147228 , NR_147229 , NR_147230 , NR_147231 , NR_147232
UniProt ID:	P31483
Synonyms:	ALS26; TIA-1; WDM
Components:	TIA1 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 7072) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	The product encoded by this gene is a member of a RNA-binding protein family and possesses nucleolytic activity against cytotoxic lymphocyte (CTL) target cells. It has been suggested that this protein may be involved in the induction of apoptosis as it preferentially recognizes poly(A) homopolymers and induces DNA fragmentation in CTL targets. The major granule-associated species is a 15-kDa protein that is thought to be derived from the carboxyl terminus of the 40-kDa product by proteolytic processing. Alternative splicing resulting in different isoforms has been found for this gene. [provided by RefSeq, May 2017]



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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).