

## Product datasheet for **SR321981**

### TCF7L2 Human siRNA Oligo Duplex (Locus ID 6934)

#### 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_001146274</a> , <a href="#">NM_001146283</a> , <a href="#">NM_001146284</a> , <a href="#">NM_001146285</a> , <a href="#">NM_001146286</a> , <a href="#">NM_001198525</a> , <a href="#">NM_001198526</a> , <a href="#">NM_001198527</a> , <a href="#">NM_001198528</a> , <a href="#">NM_001198529</a> , <a href="#">NM_001198530</a> , <a href="#">NM_001198531</a> , <a href="#">NM_030756</a> , <a href="#">NM_001349870</a> , <a href="#">NM_001349871</a> , <a href="#">NM_001363501</a> , <a href="#">NM_001367943</a>
UniProt ID:	<a href="#">Q9NQB0</a>
Synonyms:	TCF-4; TCF4
Components:	TCF7L2 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 6934) 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 encodes a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling pathway. The protein has been implicated in blood glucose homeostasis. Genetic variants of this gene are associated with increased risk of type 2 diabetes. Several transcript variants encoding multiple different isoforms have been found for this gene.[provided by RefSeq, Oct 2010]



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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).