

## Product datasheet for SR321981

## OriGene Technologies, Inc.

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## 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: NM 001146274, NM 001146283, NM 001146284, NM 001146285, NM 001146286,

NM 001198525, NM 001198526, NM 001198527, NM 001198528, NM 001198529, NM 001198530, NM 001198531, NM 030756, NM 001349870, NM 001349871,

NM 001363501, NM 001367943

UniProt ID: Q9NQB0
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

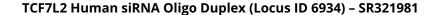
Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml

**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]







## 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).