

## Product datasheet for **SR414923**

### Tcf7l2 Mouse siRNA Oligo Duplex (Locus ID 21416)

#### 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_001142918</a> , <a href="#">NM_001142919</a> , <a href="#">NM_001142920</a> , <a href="#">NM_001142921</a> , <a href="#">NM_001142922</a> , <a href="#">NM_001142923</a> , <a href="#">NM_001142924</a> , <a href="#">NM_001331135</a> , <a href="#">NM_001331136</a> , <a href="#">NM_001331137</a> , <a href="#">NM_001331138</a> , <a href="#">NM_001331139</a> , <a href="#">NM_001331140</a> , <a href="#">NM_001331141</a> , <a href="#">NM_001331142</a> , <a href="#">NM_001331143</a> , <a href="#">NM_001331144</a> , <a href="#">NM_001331145</a> , <a href="#">NM_001331146</a> , <a href="#">NM_001331147</a> , <a href="#">NM_001331148</a> , <a href="#">NM_001331149</a> , <a href="#">NM_001331150</a> , <a href="#">NM_009333</a> , <a href="#">NR_138565</a>
UniProt ID:	<a href="#">Q924A0</a>
Synonyms:	Tcf-4; Tcf4; TCF4B; TCF4E
Components:	Tcf7l2 (Mouse) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 21416) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as repressor in the absence of CTNNB1, and as activator in its presence. Activates transcription from promoters with several copies of the Tcf motif CCTTTGATC in the presence of CTNNB1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7L2/TCF4 and CTNNB1. Expression of dominant-negative mutants results in cell-cycle arrest in G1 (By similarity). Necessary for the maintenance of the epithelial stem-cell compartment of the small intestine.[UniProtKB/Swiss-Prot Function]


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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).