

Product Data Sheet

TBPL2 siRNA (Human)

Catalog #	Source	Reactivity	Applications
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CRJ7735 Synthetic H RNAi

Description siRNA to inhibit TBPL2 expression using RNA interference

Specificity TBPL2 siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to

knock down gene expression.

Form Lyophilized powder

Gene Symbol TBPL2

Alternative Names TBP2; TRF3; TATA box-binding protein-like protein 2; TBP-like protein 2; TATA

box-binding protein-related factor 3; TBP-related factor 3

Entrez Gene 387332 (Human)

SwissProt Q6SJ96 (Human)

Purity > 97%

Quality Control Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure

appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid

phase extraction. The annealed RNA duplex is further analyzed by mass

spectrometry to verify the exact composition of the duplex. Each lot is compared to

the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.

Components We offers pre-designed sets of 3 different target-specific siRNA oligo duplexes of

human TBPL2 gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes can

be transfected individually or pooled together to achieve knockdown of the target

gene, which is most commonly assessed by qPCR or western blot.

Component	15 nmol	30 nmol
TBPL2 siRNA (Human) - A	5 nmol x 1	5 nmol x 2

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb-Rabbit, S- Sheep, Z- Zebrafish

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TBPL2 siRNA (Human) - B	5 nmol x 1	5 nmol x 2
TBPL2 siRNA (Human) - C	5 nmol x 1	5 nmol x 2
Negative Control	2.5 nmol x 1	2.5 nmol x 2
DEPC Water	1 ml x 1	1 ml x 2

Directions for Use

We recommends transfection with 10 nM - 100 nM siRNA 48 to 72 hours prior to cell lysis. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For example, resuspend one tube of 5 nmol siRNA oligo in 250 μl of DEPC water to get a final concentration of 20 μM.

Plate	Final volume	Final concentration	siRNA (20 μM)	Lipofectamin
	of medium	of siRNA		2000
96-well	100 μΙ	100 nM	0.5 μΙ	0.25 μΙ
		50 nM	0.25 μΙ	0.25 μΙ
		10 nM	0.05 μΙ	0.25 μΙ
		100 nM	2.5 μΙ	1 μΙ
24-well	500 μΙ	50 nM	1.25 μΙ	1 μΙ
		10 nM	0.25 μΙ	1 μΙ
		100 nM	5 μΙ	2 μΙ
12-well	1 ml	50 nM	2.5 μΙ	2 μΙ
		10 nM	0.5 μΙ	2 μΙ
6-well	2 ml	100 nM	10 μΙ	5 μΙ
		50 nM	5 μΙ	5 μΙ
		10 nM	1 μΙ	5 μΙ

Storage/Stability

Shipped at 4 °C. Store at -20 °C for one year.

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