

Product Data Sheet

MBTD1 siRNA (Mouse)

Catalog #	Source	Reactivity		Applications		
CRN0609	Synthetic	Μ		RNAi		
Description	siRNA	to inhibit MBTD1 ex	pression using	RNA interference		
Specificity	MBTD	MBTD1 siRNA (Mouse) is a target-specific 19-23 nt siRNA oligo duplexes designed to				
	knock	down gene expression	on.			
Form	Lyophi	Lyophilized powder				
Gene Symbol	MBTD	MBTD1				
Alternative Na	ames MBT d	MBT domain-containing protein 1				
Entrez Gene	10353	103537 (Mouse)				
SwissProt	Q6P50	Q6P5G3 (Mouse)				
Purity	> 97%	> 97%				
Quality Contro	ol Oligon	Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure				
	appro	appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid				
	phase	phase extraction. The annealed RNA duplex is further analyzed by mass				
	spectr	spectrometry to verify the exact composition of the duplex. Each lot is compared to				
	the pr	the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.				
Components	We of	We offers pre-designed sets of 3 different target-specific siRNA oligo duplexes of				
	mouse	mouse MBTD1 gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes				
	can be	can be transfected individually or pooled together to achieve knockdown of the				
	target	target gene, which is most commonly assessed by qPCR or western blot.				
	Com	ponent		15 nmol	30 nmol	
	MBTI	D1 siRNA (Mouse) - A	A	5 nmol x 1	5 nmol x 2	
	MBTI	D1 siRNA (Mouse) - E	3	5 nmol x 1	5 nmol x 2	
SwissProt Purity Quality Contro	Q6P50 > 97% Oligon approp phase spectr the pr We off mouse can be target Comp	G3 (Mouse) nucleotide synthesis i priate coupling efficie extraction. The anne rometry to verify the evious lot by mass sp fers pre-designed set e MBTD1 gene. Each e transfected individu gene, which is most ponent D1 siRNA (Mouse) - A	ency. The oligo ealed RNA dupl exact composi bectrometry to is of 3 different vial contains 5 ually or pooled commonly ass	is subsequently purif lex is further analyzed tion of the duplex. Ea ensure maximum lot target-specific siRNA nmol of lyophilized si together to achieve k essed by qPCR or wes 15 nmol 5 nmol x 1	Fied by affinity-solid by mass ch lot is compared to -to-lot consistency. A oligo duplexes of RNA. The duplexes smockdown of the stern blot. 30 nmol 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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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 μ l of DEPC water to get a final concentration of 20 μ M.

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

Storage/Stability

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

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