

# **Product Data Sheet**

## RAB17 siRNA (Human)

Catalog #	Source	Reactivity		Applications		
CRJ1977	Synthetic	н		RNAi		
Description	siRNA	siRNA to inhibit RAB17 expression using RNA interference				
Specificity	RAB17	RAB17 siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to				
	knock	down gene expression	on.			
Form	Lyoph	Lyophilized powder				
Gene Symbol	RAB17	RAB17				
Alternative Na	ames Ras-re	Ras-related protein Rab-17				
Entrez Gene	64284	64284 (Human)				
SwissProt	Q9H0 <sup>-</sup>	Q9H0T7 (Human)				
Purity	> 97%	> 97%				
Quality Contro	ol Oligor	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	evious lot by mass sp	pectrometry to	ensure maximum lot	-to-lot consistency.	
Components	We of	We offers pre-designed sets of 3 different target-specific siRNA oligo duplexes of				
	huma	human RAB17 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	
	RAB1	L7 siRNA (Human) - A	1	5 nmol x 1	5 nmol x 2	
	RAB1	L7 siRNA (Human) - B	6	5 nmol x 1	5 nmol x 2	
Gene Symbol Alternative Na Entrez Gene SwissProt Purity Quality Contro	RAB17 Ras-re 64284 Q9H0 > 97% Oligor appro phase spectr the pr We of huma can be target <b>Com</b> RAB1	2 elated protein Rab-17 (Human) T7 (Human) nucleotide synthesis i priate coupling efficie extraction. The anne rometry to verify the revious lot by mass sp fers pre-designed set n RAB17 gene. Each v e transfected individu gene, which is most <b>ponent</b> L7 siRNA (Human) - A	is monitored ba ency. The oligo ealed RNA dupl exact composi- bectrometry to ts of 3 different vial contains 5 in ually or pooled commonly asso	is subsequently purif ex 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 <b>15 nmol</b> 5 nmol x 1	fied by affinity-solid d by mass ich lot is compared -to-lot consistency. A oligo duplexes of RNA. The duplexes anockdown of the stern blot. <b>30 nmol</b> 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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RAB17 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  $\mu$ l of DEPC water to get a final concentration of 20  $\mu$ 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
		100 nM	2.5 μl	1 µl
24-well	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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