

### **Product Data Sheet**

# KDM2A siRNA (Human)

Catalog # Source Reactivity Applications

CRH7914 Synthetic H RNAi

**Description** siRNA to inhibit KDM2A expression using RNA interference

**Specificity** KDM2A siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to

knock down gene expression.

Form Lyophilized powder

Gene Symbol KDM2A

Alternative Names CXXC8; FBL7; FBXL11; JHDM1A; KIAA1004; Lysine-specific demethylase 2A;

CXXC-type zinc finger protein 8; F-box and leucine-rich repeat protein 11; F-box

protein FBL7; F-box protein Lilina; F-box/LRR-repeat protein 11; JmjC

domain-containing histone demethylation protein 1A; [Histone-H3]-lysine-36

demethylase 1A

Entrez Gene 22992 (Human)

SwissProt Q9Y2K7 (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 KDM2A gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes

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

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

Component	15 nmol	30 nmol
KDM2A siRNA (Human) - A	5 nmol x 1	5 nmol x 2
KDM2A siRNA (Human) - B	5 nmol x 1	5 nmol x 2
KDM2A 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

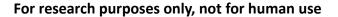
#### **Directions for Use**

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 μl	0.25 μΙ
		10 nM	0.05 μΙ	0.25 μΙ
24-well	500 μl	100 nM	2.5 μΙ	1 μΙ
		50 nM	1.25 μΙ	1 μΙ
		10 nM	0.25 μΙ	1 μΙ
12-well	1 ml	100 nM	5 μΙ	2 μΙ
		50 nM	2.5 μΙ	2 μΙ
		10 nM	0.5 μΙ	2 μΙ
6-well	2 ml	100 nM	10 μΙ	5 μΙ

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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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