

Product Data Sheet

SH3PXD2A siRNA (Human)

Catalog # Source Reactivity Applications

CRH6421 Synthetic H RNAi

Description siRNA to inhibit SH3PXD2A expression using RNA interference

Specificity SH3PXD2A siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes

designed to knock down gene expression.

Form Lyophilized powder

Gene Symbol SH3PXD2A

Alternative Names FISH; KIAA0418; SH3MD1; TKS5; SH3 and PX domain-containing protein 2A; Adapter

protein TKS5; Five SH3 domain-containing protein; SH3 multiple domains protein 1;

Tyrosine kinase substrate with five SH3 domains

Entrez Gene 9644 (Human)

SwissProt Q5TCZ1 (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 SH3PXD2A 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

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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SH3PXD2A siRNA (Human) - A	5 nmol x 1	5 nmol x 2
SH3PXD2A siRNA (Human) - B	5 nmol x 1	5 nmol x 2
SH3PXD2A 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

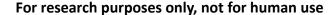
Directions for Use

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

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

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