DCAF8 siRNA – DDB1- and CUL4-Associated Factor 8 (Mouse)

PRODUCT OVERVIEW

Product Name	DCAF8, siRNA
Full Product Name	DCAF8 siRNA (Mouse)
Product Gene Name	DCAF8 sirna
Product Synonym Names	D1UCLA4; H326; WDR42A; DDB1- and CUL4-associated factor 8; WD repeat-containing protein 42A
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	DCAF8 siRNA (Mouse) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Molecular Weight	45,725 Da
3D Structure	ModBase 3D Structure for Q8N7N5
Negative Control	siRNA Negative Control (Catalog# MBS8241404) is a non-targeting 21 nt siRNA recommended as a negative control for experiments using targeted siRNA transfection.
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.
Directions for Use	We recommends transfection with 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 each vial, suitable for 250 transfections in 24 well plate (20 pmol for each well).
Components	We offer pre-designed sets of 3 different target-specific siRNA oligo duplexes of mouse DCAF8 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. Our siRNA oligos are also chemically modified (2'-OMe) at no extra charge for increased stability and enhanced knockdown in vitro and in vivo.
Applications Tested/Suitable for DCAF8 sirna	RNA Interference (RNAi)
Related Product Information for DCAF8 sirna	MBS8213380 is an siRNA targeting DCAF8. Also known as DCAF8 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit DCAF8 expression using RNA interference
Other Notes	Small volumes of DCAF8 sirna vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DCAF8. It may not necessarily be applicable to this product.

NCBI GI #	23956326

NCBI GeneID	98193
NCBI Accession #	NP_705783.1
UniProt Primary Accession #	Q8N7N5
UniProt Secondary Accession #	Q8CII7; Q8CIK6
UniProt Related Accession #	Q8N7N5
GenBank Nucleotide #	NM_153555.2
NCBI Official Full Name	DDB1- and CUL4-associated factor 8
NCBI Official Synonym Full Names	DDB1 and CUL4 associated factor 8
NCBI Official Symbol	Dcaf8
NCBI Official Synonym Symbols	H326; C76055; Wdr42a; D1Ucla4; AA408877; AA433120; AA792214; AU018973; D1Dau35e
UniProt Protein Name	DDB1- and CUL4-associated factor 8
UniProt Synonym Protein Names	WD repeat-containing protein 42A
Protein Family	DDB1- and CUL4-associated factor
UniProt Gene Name	Dcaf8
UniProt Synonym Gene Names	D1Ucla4; H326; Wdr42a
UniProt Entry Name	DCAF8_MOUSE
NCBI Protein Information	DDB1- and CUL4-associated factor 8
UniProt Comments for DCAF8	WDR42A: a WD40 repeat protein. WD40 repeats are found in a number of eukaryotic proteins that coordinate multi-protein complex assemblies. WD40 proteins are implicated in many functions including adaptor/regulatory modules in signal transduction, pre-mRNA processing and cytoskeleton assembly. Cellular Component: cytoplasm; nucleus
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