MYADM siRNA – Myeloid-Associated Differentiation Marker (Rat)

PRODUCT OVERVIEW

Product Name	MYADM, siRNA
Full Product Name	MYADM siRNA (Rat)
Product Gene Name	MYADM sirna
Product Synonym Names	Myeloid-associated differentiation marker; Myeloid up-regulated protein
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	MYADM siRNA (Rat) 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	35,148 Da
3D Structure	ModBase 3D Structure for Q6VBQ5
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 rat MYADM 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 MYADM sirna	RNA Interference (RNAi)
Related Product Information for MYADM sirna	MBS8225473 is an siRNA targeting MYADM. Also known as MYADM siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit MYADM expression using RNA interference
Other Notes	Small volumes of MYADM 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 MYADM. It may not necessarily be applicable to this product.

NCBI GI #	34328542

NCBI GeneID	369016
NCBI Accession #	NP_899161.1
UniProt Primary Accession #	Q6VBQ5
UniProt Related Accession #	Q6VBQ5
GenBank Nucleotide #	NM_183332.1
NCBI Official Full Name	myeloid-associated differentiation marker
NCBI Official Synonym Full Names	myeloid-associated differentiation marker
NCBI Official Symbol	Myadm
UniProt Protein Name	Myeloid-associated differentiation marker
UniProt Synonym Protein Names	Myeloid up-regulated protein
Protein Family	Myeloid-associated differentiation marker
UniProt Gene Name	Myadm
UniProt Entry Name	MYADM_RAT
NCBI Protein Information	myeloid-associated differentiation marker
NCBI Summary for MYADM	mouse homolog is a putative transmembrane protein; involved in myeloid differentiation [RGD, Feb 2006]
UniProt Comments for MYADM	MYADM: Belongs to the MAL family. Protein type: Membrane protein, integral; Membrane protein, multi-pass Cellular Component: ruffle; cortical actin cytoskeleton; plasma membrane; integral to membrane; intercellular junction; lipid raft Biological Process: negative regulation of heterotypic cell-cell adhesion; negative regulation of protein amino acid phosphorylation; negative regulation of actin filament polymerization; lipid raft organization and biogenesis; intercellular junction maintenance; positive regulation of cell migration
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