AMMECR1 siRNA – AMME Syndrome Candidate Gene 1 Protein Homolog (Mouse)

PRODUCT OVERVIEW

Product Name	AMMECR1, siRNA
Full Product Name	AMMECR1 siRNA (Mouse)
Product Gene Name	AMMECR1 sirna
Product Synonym Names	AMME syndrome candidate gene 1 protein homolog
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	AMMECR1 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	36,031 Da
3D Structure	ModBase 3D Structure for Q9JHT5
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 AMMECR1 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 AMMECR1 sirna	RNA Interference (RNAi)
Related Product Information for AMMECR1 sirna	MBS8236174 is an siRNA targeting AMMECR1. Also known as AMMECR1 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit AMMECR1 expression using RNA interference
Other Notes	Small volumes of AMMECR1 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 AMMECR1. It may not necessarily be applicable to this product.

NCBI GI #	9506383

NCBI GeneID	56068
NCBI Accession #	NP_062369.1
UniProt Primary Accession #	Q9JHT5
UniProt Related Accession #	Q9JHT5
GenBank Nucleotide #	NM_019496.3
NCBI Official Full Name	AMME syndrome candidate gene 1 protein homolog
NCBI Official Synonym Full Names	Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region gene 1
NCBI Official Symbol	Ammecr1
NCBI Official Synonym Symbols	6230420G18Rik
UniProt Protein Name	AMME syndrome candidate gene 1 protein homolog
Protein Family	AMME syndrome candidate gene 1 protein
UniProt Gene Name	Ammecr1
UniProt Entry Name	AMMR1_MOUSE
NCBI Protein Information	AMME syndrome candidate gene 1 protein homolog
UniProt Comments for AMMECR1	AMMECR1: Defects in AMMECR1 are involved in Alport syndrome with mental retardation midface hypoplasia and elliptocytosis (ATS-MR). A X-linked contiguous gene deletion syndrome characterized by glomerulonephritis, deafness, mental retardation, midface hypoplasia and elliptocytosis. 4 isoforms of the human protein are produced by alternative splicing.
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