FAM72A siRNA – Protein FAM72A (Rat)

PRODUCT OVERVIEW

Product Name	FAM72A, siRNA
Full Product Name	FAM72A siRNA (Rat)
Product Gene Name	FAM72A sirna
Product Synonym Names	Protein FAM72A; Dpr4-related protein
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	FAM72A 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	16,756 Da
3D Structure	ModBase 3D Structure for A1KXW8
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 FAM72A 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 FAM72A sirna	RNA Interference (RNAi)
Related Product Information for FAM72A sirna	MBS8215214 is an siRNA targeting FAM72A. Also known as FAM72A siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit FAM72A expression using RNA interference
Other Notes	Small volumes of FAM72A 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 FAM72A. It may not necessarily be applicable to this product.

NCBI GI #	125347412

NCBI GeneID	681249
NCBI Accession #	NP_001074920.1
UniProt Primary Accession #	A1KXW8
UniProt Related Accession #	A1KXW8
GenBank Nucleotide #	NM_001081451.1
NCBI Official Full Name	protein FAM72A
NCBI Official Synonym Full Names	family with sequence similarity 72, member A
NCBI Official Symbol	Fam72a
UniProt Protein Name	Protein FAM72A
UniProt Synonym Protein Names	Dpr4-related protein
Protein Family	Protein
UniProt Gene Name	Fam72a
UniProt Entry Name	FA72A_RAT
NCBI Protein Information	protein FAM72A
UniProt Comments for FAM72A	May play a role in the regulation of cellular reactive oxygen species metabolism. May participate in cell growth regulation ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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