ANKRD34A siRNA – Ankyrin Repeat Domain-Containing Protein 34a (Rat)

PRODUCT OVERVIEW

Product Name	ANKRD34A, siRNA
Full Product Name	ANKRD34A siRNA (Rat)
Product Gene Name	ANKRD34A sirna
Product Synonym Names	Ankyrin repeat domain-containing protein 34A
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	ANKRD34A 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	52,456 Da
3D Structure	ModBase 3D Structure for Q5BJT1
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 ANKRD34A 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 ANKRD34A sirna	RNA Interference (RNAi)
Related Product Information for ANKRD34A sirna	MBS8228970 is an siRNA targeting ANKRD34A. Also known as ANKRD34A siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit ANKRD34A expression using RNA interference
Other Notes	Small volumes of ANKRD34A 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 ANKRD34A. It may not necessarily be applicable to this product.

NCBI GI #	68163391

NCBI GeneID	295283
NCBI Accession #	NP_001020151.1
UniProt Primary Accession #	Q5BJT1
UniProt Related Accession #	Q5BJT1
GenBank Nucleotide #	NM_001024980.1
NCBI Official Full Name	ankyrin repeat domain-containing protein 34A
NCBI Official Synonym Full Names	ankyrin repeat domain 34A
NCBI Official Symbol	Ankrd34a
NCBI Official Synonym Symbols	Ankrd34; RGD1308412
UniProt Protein Name	Ankyrin repeat domain-containing protein 34A
Protein Family	Ankyrin repeat domain-containing protein
UniProt Gene Name	Ankrd34a
UniProt Entry Name	AN34A_RAT
NCBI Protein Information	ankyrin repeat domain-containing protein 34A
UniProt Comments for ANKRD34A	ANKRD34A: Belongs to the ANKRD34 family. Cellular Component: cytoplasm
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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