KANK3 siRNA – Kn Motif and Ankyrin Repeat Domain-Containing Protein 3 (Human)

PRODUCT OVERVIEW

Product Name	KANK3, siRNA
Full Product Name	KANK3 siRNA (Human)
Product Gene Name	KANK3 sirna
Product Synonym Names	ANKRD47; KN motif and ankyrin repeat domain-containing protein 3; Ankyrin repeat domain-containing protein 47
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	KANK3 siRNA (Human) 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	85,893 Da
OMIM	614611
3D Structure	ModBase 3D Structure for Q6NY19
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 human KANK3 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 KANK3 sirna	RNA Interference (RNAi)
Related Product Information for KANK3 sirna	MBS8230264 is an siRNA targeting KANK3. Also known as KANK3 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit KANK3 expression using RNA interference
Other Notes	Small volumes of KANK3 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 KANK3. It may not necessarily be applicable to this product.

NCBI GI #	157504499
NCBI GeneID	256949
NCBI Accession #	NP_940873.2
UniProt Primary Accession #	Q6NY19
UniProt Secondary Accession #	Q6NZI1; Q6ZQR3; Q8IUV2
UniProt Related Accession #	Q6NY19
GenBank Nucleotide #	NM_198471.2
NCBI Official Full Name	KN motif and ankyrin repeat domain-containing protein 3
NCBI Official Synonym Full Names	KN motif and ankyrin repeat domains 3
NCBI Official Symbol	KANK3
NCBI Official Synonym Symbols	ANKRD47
UniProt Protein Name	KN motif and ankyrin repeat domain-containing protein 3
UniProt Synonym Protein Names	Ankyrin repeat domain-containing protein 47
Protein Family	KN motif and ankyrin repeat domain-containing protein
UniProt Gene Name	KANK3
UniProt Synonym Gene Names	ANKRD47
UniProt Entry Name	KANK3_HUMAN
NCBI Protein Information	KN motif and ankyrin repeat domain-containing protein 3
UniProt Comments for KANK3	ANKRD47: May be involved in the control of cytoskeleton formation by regulating actin polymerization. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 19p13.2
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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