UBN2 siRNA – Ubinuclein-2 (Rat)

PRODUCT OVERVIEW

Product Name	UBN2, siRNA
Full Product Name	UBN2 siRNA (Rat)
Product Gene Name	UBN2 sirna
Product Synonym Names	Ubinuclein-2
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	UBN2 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	143,640 Da
3D Structure	ModBase 3D Structure for D4A666
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 UBN2 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 UBN2 sirna	RNA Interference (RNAi)
Related Product Information for UBN2 sirna	MBS8205133 is an siRNA targeting UBN2. Also known as UBN2 siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit UBN2 expression using RNA interference
Other Notes	Small volumes of UBN2 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 UBN2. It may not necessarily be applicable to this product.

NCBI GI #	197387083
NCBI GeneID	312248

NCBI Accession #	NP_001128025.1
UniProt Primary Accession #	D4A666
UniProt Related Accession #	D4A666
GenBank Nucleotide #	NM_001134553.1
NCBI Official Full Name	ubinuclein-2
NCBI Official Synonym Full Names	ubinuclein 2
NCBI Official Symbol	Ubn2
NCBI Official Synonym Symbols	RGD1310722
UniProt Protein Name	Ubinuclein-2
Protein Family	Ubinuclein
UniProt Gene Name	Ubn2
UniProt Entry Name	UBN2_RAT
NCBI Protein Information	ubinuclein-2
UniProt Comments for UBN2	UBN2: Belongs to the ubinuclein family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Unknown function Cellular Component: nucleoplasm; extracellular space; nucleus
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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