SYNPR siRNA – Synaptoporin Isoform 1 (Human)

PRODUCT OVERVIEW

Product Name	SYNPR, siRNA
Full Product Name	SYNPR siRNA (Human)
Product Gene Name	SYNPR sirna
Product Synonym Names	Synaptoporin
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SYNPR 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	31,329 Da
3D Structure	ModBase 3D Structure for Q8TBG9
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 SYNPR 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 SYNPR sirna	RNA Interference (RNAi)
Related Product Information for SYNPR sirna	MBS8236906 is an siRNA targeting SYNPR. Also known as SYNPR siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit SYNPR expression using RNA interference
Other Notes	Small volumes of SYNPR 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 SYNPR. It may not necessarily be applicable to this product.

NCBI GI #	194018518

NCBI GeneID	132204
NCBI Accession #	NP_001123475.1
UniProt Primary Accession #	Q8TBG9
UniProt Secondary Accession #	B2R675; G5E9W4
UniProt Related Accession #	Q8TBG9
GenBank Nucleotide #	NM_001130003.1
NCBI Official Full Name	synaptoporin isoform 1
NCBI Official Synonym Full Names	synaptoporin
NCBI Official Symbol	SYNPR
NCBI Official Synonym Symbols	SPO
UniProt Protein Name	Synaptoporin
Protein Family	Synaptoporin
UniProt Gene Name	SYNPR
UniProt Entry Name	SYNPR_HUMAN
NCBI Protein Information	synaptoporin
UniProt Comments for SYNPR	SYNPR: Intrinsic membrane protein of small synaptic vesicles. Probable vesicular channel protein. Belongs to the synaptophysin/synaptobrevin family. Protein type: Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 3p14.2 Cellular Component: neuron projection; synaptic vesicle membrane; cell junction; integral to synaptic vesicle membrane Molecular Function: transporter activity Biological Process: transport
Research Articles on SYNPR	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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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