MYPOP siRNA – Myb-Related Transcription Factor, Partner of Profilin (Mouse)

PRODUCT OVERVIEW

Product Name	MYPOP, siRNA
Full Product Name	MYPOP siRNA (Mouse)
Product Gene Name	MYPOP sirna
Product Synonym Names	P42POP; Myb-related transcription factor. partner of profilin; Myb-related protein p42POP; Partner of profilin
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	MYPOP siRNA (Mouse) 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	19,590 Da
3D Structure	ModBase 3D Structure for Q8R4U1
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 mouse MYPOP 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 MYPOP sirna	RNA Interference (RNAi)
Related Product Information for MYPOP sirna	MBS8214972 is an siRNA targeting MYPOP. Also known as MYPOP siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit MYPOP expression using RNA interference
Other Notes	Small volumes of MYPOP 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 MYPOP. It may not necessarily be applicable to this product.

NCBI GI #	21704164

NCBI GeneID	232934
NCBI Accession #	NP_663554.1
UniProt Primary Accession #	Q8R4U1
UniProt Secondary Accession #	Q7TNR1; Q8CFP0
UniProt Related Accession #	Q8R4U1
GenBank Nucleotide #	NM_145579.3
NCBI Official Full Name	myb-related transcription factor, partner of profilin
NCBI Official Synonym Full Names	Myb-related transcription factor, partner of profilin
NCBI Official Symbol	Mypop
NCBI Official Synonym Symbols	P42pop; Myodysa
UniProt Protein Name	Myb-related transcription factor, partner of profilin
UniProt Synonym Protein Names	Myb-related protein p42POP; Partner of profilin
Protein Family	Myb-related transcription factor
UniProt Gene Name	Mypop
UniProt Synonym Gene Names	P42pop
UniProt Entry Name	MYPOP_MOUSE
NCBI Protein Information	myb-related transcription factor, partner of profilin
UniProt Comments for MYPOP	MYPOP: Transcriptional repressor; DNA-binding protein that specifically recognizes the core sequence 5'-YAAC[GT]G-3'. Dimerization with PFN1 reduces its DNA-binding capacity. Protein type: DNA-binding Cellular Component: nucleus Molecular Function: protein binding; protein homodimerization activity; DNA binding; chromatin binding; transcription factor activity Biological Process: transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter; transcription, DNA-dependent; regulation of transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter
Research Articles on MYPOP	**1.** We describe a novel Myb-related transcription factor, p42POP, as a new ligand for profilin and show that profilin regulates its activity. p42POP comprises a unique combination of domains and is widely expressed in mouse tissues
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/mouse-sirna/mypop/8214972