PATE2 siRNA – Prostate and Testis Expressed Protein 2 (Mouse)

PRODUCT OVERVIEW

Product Name	PATE2, siRNA
Full Product Name	PATE2 siRNA (Mouse)
Product Gene Name	PATE2 sirna
Product Synonym Names	GM846; Prostate and testis expressed protein 2; PATE-like protein M; PATE-M
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	PATE2 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	17,747 Da
3D Structure	ModBase 3D Structure for Q3UW31
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 PATE2 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 PATE2 sirna	RNA Interference (RNAi)
Related Product Information for PATE2 sirna	MBS8236005 is an siRNA targeting PATE2. Also known as PATE2 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit PATE2 expression using RNA interference
Other Notes	Small volumes of PATE2 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 PATE2. It may not necessarily be applicable to this product.

NCBI GI #	85701929

NCBI GeneID	330921
NCBI Accession #	NP_001028593.1
UniProt Primary Accession #	Q3UW31
UniProt Secondary Accession #	Q3UMN1
UniProt Related Accession #	Q3UW31
GenBank Nucleotide #	NM_001033421.3
NCBI Official Full Name	prostate and testis expressed protein 2
NCBI Official Synonym Full Names	prostate and testis expressed 2
NCBI Official Symbol	Pate2
NCBI Official Synonym Symbols	Gm846; Pate-M; mANLP1
UniProt Protein Name	Prostate and testis expressed protein 2
UniProt Synonym Protein Names	PATE-like protein M; PATE-M
Protein Family	Prostate and testis expressed protein
UniProt Gene Name	Pate2
UniProt Synonym Gene Names	Gm846; PATE-M
UniProt Entry Name	PATE2_MOUSE
NCBI Protein Information	prostate and testis expressed protein 2
UniProt Comments for PATE2	PATE2: Belongs to the PATE family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Cellular Component: extracellular space; extracellular region
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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