LPHN3 siRNA – Latrophilin-3 (Rat)

PRODUCT OVERVIEW

Product Name	LPHN3, siRNA
Full Product Name	LPHN3 siRNA (Rat)
Product Gene Name	LPHN3 sirna
Product Synonym Names	CIRL3; CL3; Latrophilin-3; Calcium-independent alpha-latrotoxin receptor; CIRL-3
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	LPHN3 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	142,554 Da
3D Structure	ModBase 3D Structure for Q9Z173
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 LPHN3 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 LPHN3 sirna	RNA Interference (RNAi)
Related Product Information for LPHN3 sirna	MBS8216925 is an siRNA targeting LPHN3. Also known as LPHN3 siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit LPHN3 expression using RNA interference
Other Notes	Small volumes of LPHN3 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 LPHN3. It may not necessarily be applicable to this product.

NCBI GI #	18677755
NCBI GeneID	170641

NCBI Accession #	NP_570835.1
UniProt Primary Accession #	Q9Z173
UniProt Secondary Accession #	O88924; O88925; O88926; O88927; O88928; O88929; Q4LDM4; Q4LDM5; Q4LDM6; Q4LDM7; Q4LDM8
UniProt Related Accession #	Q9Z173
GenBank Nucleotide #	NM_130822.1
NCBI Official Full Name	latrophilin-3
NCBI Official Synonym Full Names	adhesion G protein-coupled receptor L3
NCBI Official Symbol	Adgrl3
NCBI Official Synonym Symbols	Lec3; Cirl3; Lphn3
UniProt Protein Name	Latrophilin-3
UniProt Synonym Protein Names	Calcium-independent alpha-latrotoxin receptor; CIRL-3
UniProt Gene Name	Lphn3
UniProt Synonym Gene Names	Cirl3; Cl3; CIRL-3
UniProt Entry Name	LPHN3_RAT
NCBI Protein Information	latrophilin-3
NCBI Summary for LPHN3	G-protein-coupled receptor [RGD, Feb 2006]
UniProt Comments for LPHN3	latrophilin 3: a member of the latrophilin subfamily of G-protein coupled receptors (GPCR). Latrophilins may function in both cell adhesion and signal transduction. In experiments with non-human species, endogenous proteolytic cleavage within a cysteine-rich GPS (G-protein-coupled-receptor proteolysis site) domain resulted in two subunits (a large extracellular N-terminal cell adhesion subunit and a subunit with substantial similarity to the secretin/calcitonin family of GPCRs) being non-covalently bound at the cell membrane. [provided by RefSeq, Jul 2008] Protein type: GPCR, family 2; Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; carbohydrate binding Biological Process: G-protein coupled receptor protein signaling pathway; brain development
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/rat-sirna/lphn3/8216925