LRRC3B siRNA – Leucine-Rich Repeat-Containing Protein 3b (Human)

PRODUCT OVERVIEW

Product Name	LRRC3B, siRNA
Full Product Name	LRRC3B siRNA (Human)
Product Gene Name	LRRC3B sirna
Product Synonym Names	LRP15; Leucine-rich repeat-containing protein 3B; Leucine-rich repeat protein LRP15
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	LRRC3B 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	29,275 Da
3D Structure	ModBase 3D Structure for Q96PB8
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 LRRC3B 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 LRRC3B sirna	RNA Interference (RNAi)
Related Product Information for LRRC3B sirna	MBS8228952 is an siRNA targeting LRRC3B. Also known as LRRC3B siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit LRRC3B expression using RNA interference
Other Notes	Small volumes of LRRC3B 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 LRRC3B. It may not necessarily be applicable to this product.

NCBI GI #	16418445

NCBI GeneID	116135
NCBI Accession #	NP_443185.1
UniProt Primary Accession #	Q96PB8
UniProt Secondary Accession #	Q5M8T0
UniProt Related Accession #	Q96PB8
GenBank Nucleotide #	NM_052953.2
NCBI Official Full Name	leucine-rich repeat-containing protein 3B
NCBI Official Synonym Full Names	leucine rich repeat containing 3B
NCBI Official Symbol	LRRC3B
NCBI Official Synonym Symbols	LRP15
UniProt Protein Name	Leucine-rich repeat-containing protein 3B
UniProt Synonym Protein Names	Leucine-rich repeat protein LRP15
Protein Family	Leucine-rich repeat-containing protein
UniProt Gene Name	LRRC3B
UniProt Synonym Gene Names	LRP15
UniProt Entry Name	LRC3B_HUMAN
NCBI Protein Information	leucine-rich repeat-containing protein 3B
UniProt Comments for LRRC3B	LRRC3B: Belongs to the LRRC3 family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 3p24 Cellular Component: integral to membrane
Research Articles on LRRC3B	**1.** LRRC3B gene expression and promoter hypermethylation in breast carcinomas
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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