LRRC47 siRNA – Leucine-Rich Repeat-Containing Protein 47 (Mouse)

PRODUCT OVERVIEW

Product Name	LRRC47, siRNA
Full Product Name	LRRC47 siRNA (Mouse)
Product Gene Name	LRRC47 sirna
Product Synonym Names	KIAA1185; Leucine-rich repeat-containing protein 47
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	LRRC47 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	63,590 Da
3D Structure	ModBase 3D Structure for Q505F5
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 LRRC47 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 LRRC47 sirna	RNA Interference (RNAi)
Related Product Information for LRRC47 sirna	MBS8209521 is an siRNA targeting LRRC47. Also known as LRRC47 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit LRRC47 expression using RNA interference
Other Notes	Small volumes of LRRC47 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 LRRC47. It may not necessarily be applicable to this product.

NCBI GI #	41152116

NCBI GeneID	72946
NCBI Accession #	NP_957678.1
UniProt Primary Accession #	Q505F5
UniProt Secondary Accession #	Q3U380; Q6ZPW2; Q9CUZ0
UniProt Related Accession #	Q505F5
GenBank Nucleotide #	NM_201226.1
NCBI Official Full Name	leucine-rich repeat-containing protein 47
NCBI Official Synonym Full Names	leucine rich repeat containing 47
NCBI Official Symbol	Lrrc47
NCBI Official Synonym Symbols	AA960559; mKIAA1185; 2900010D03Rik
UniProt Protein Name	Leucine-rich repeat-containing protein 47
Protein Family	Leucine-rich repeat-containing protein
UniProt Gene Name	Lrrc47
UniProt Synonym Gene Names	Kiaa1185
UniProt Entry Name	LRC47_MOUSE
NCBI Protein Information	leucine-rich repeat-containing protein 47
UniProt Comments for LRRC47	LRRC47: Molecular Function: phenylalanine-tRNA ligase activity; RNA binding
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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