LRRN3 siRNA – Leucine-Rich Repeat Neuronal Protein 3 (Rat)

PRODUCT OVERVIEW

Product Name	LRRN3, siRNA
Full Product Name	LRRN3 siRNA (Rat)
Product Gene Name	LRRN3 sirna
Product Synonym Names	NLRR3; Leucine-rich repeat neuronal protein 3; Neuronal leucine-rich repeat protein 3; NLRR-3
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	LRRN3 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	79,064 Da
3D Structure	ModBase 3D Structure for Q9ESY6
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 LRRN3 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 LRRN3 sirna	RNA Interference (RNAi)
Related Product Information for LRRN3 sirna	MBS8216098 is an siRNA targeting LRRN3. Also known as LRRN3 siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit LRRN3 expression using RNA interference
Other Notes	Small volumes of LRRN3 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 LRRN3. It may not necessarily be applicable to this product.

NCBI GI #	13540675
NCBI GeneID	81514

NCBI Accession #	NP_110483.1
UniProt Primary Accession #	Q9ESY6
UniProt Secondary Accession #	Q642E4
UniProt Related Accession #	Q9ESY6
GenBank Nucleotide #	NM_030856.1
NCBI Official Full Name	leucine-rich repeat neuronal protein 3
NCBI Official Synonym Full Names	leucine rich repeat neuronal 3
NCBI Official Symbol	Lrrn3
NCBI Official Synonym Symbols	Nlrr3
UniProt Protein Name	Leucine-rich repeat neuronal protein 3
UniProt Synonym Protein Names	Neuronal leucine-rich repeat protein 3; NLRR-3
Protein Family	Leucine-rich repeat neuronal protein
UniProt Gene Name	Lrrn3
UniProt Synonym Gene Names	Nlrr3; NLRR-3
UniProt Entry Name	LRRN3_RAT
NCBI Protein Information	leucine-rich repeat neuronal protein 3
NCBI Summary for LRRN3	acts to facilitate increased EGF induced phosphorylation of MAPK; may play a role in internalization of EGF via clathrin-coated vesicles [RGD, Feb 2006]
Research Articles on LRRN3	**1.** LRRN3 plays an important role in postnatal cerebellum 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.
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