

LMBRD2 siRNA (Human)

Cat #: orb1854140 (manual)

For research use only. Not intended for diagnostic use.

Product Feature

Product name: LMBRD2 siRNA (Human)

Catalog number: orb1854140

Description: siRNA to inhibit LMBRD2 expression using RNA interference.

Applications: RNA-I

Source: Synthetic

Reactivity: Human

Specificity: LMBRD2 siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.

Form: Lyophilized powder

Gene Symbol: LMBRD2

Entrez Gene: 92255

Uniprot ID: Q68DH5

Purity: > 97%

Storage: Shipped at 4 °C. Store at -20 °C for one year.

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.

Components

We offer pre-designed sets of three different target-specific siRNA oligo duplexes for the human LMBRD2 gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes may be transfected individually or pooled to achieve gene knockdown, which is typically assessed by qPCR or Western blot analysis.

Component	15 nmol	30 nmol
LMBRD2 siRNA (Human) - A	5 nmol x 1	5 nmol x 2
LMBRD2 siRNA (Human) - B	5 nmol x 1	5 nmol x 2
LMBRD2 siRNA (Human) - C	5 nmol x 1	5 nmol x 2
Negative Control	2.5 nmol x 1	2.5 nmol x 2
DEPC Water	1 ml x 1	1 ml x 2

Instructions for Use

We recommend transfecting cells with 10–100 nM siRNA 48 to 72 hours before cell lysis. Before resuspension, briefly centrifuge the tube to ensure the lyophilized siRNA is collected at the bottom. Resuspend the siRNA oligos to the desired concentration using DEPC-treated water. For example, dissolving one vial containing 5 nmol of siRNA in 250 μ L of DEPC water yields a final concentration of 20 μ M.

Plate	Final volume of medium	Final concentration of siRNA	siRNA (20 μ M)	Lipofectamin 2000
96-well	100 μ L	100 nM	0.5 μ L	0.25 μ L
		50 nM	0.25 μ L	0.25 μ L
		10 nM	0.05 μ L	0.25 μ L
24-well	500 μ L	100 nM	2.5 μ L	1 μ L
		50 nM	1.25 μ L	1 μ L
		10 nM	0.25 μ L	1 μ L
12-well	1 ml	100 nM	5 μ L	2 μ L
		50 nM	2.5 μ L	2 μ L
		10 nM	0.5 μ L	2 μ L
6-well	2 ml	100 nM	10 μ L	5 μ L
		50 nM	5 μ L	5 μ L
		10 nM	1 μ L	5 μ L