LYZL1 siRNA – Lysozyme-Like Protein 1 (Mouse)

PRODUCT OVERVIEW

Product Name	LYZL1, siRNA
Full Product Name	LYZL1 siRNA (Mouse)
Product Gene Name	LYZL1 sirna
Product Synonym Names	LYC2; Lysozyme-like protein 1
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	LYZL1 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	16,802 Da
3D Structure	ModBase 3D Structure for Q9CPX3
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 LYZL1 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 LYZL1 sirna	RNA Interference (RNAi)
Related Product Information for LYZL1 sirna	MBS8221850 is an siRNA targeting LYZL1. Also known as LYZL1 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit LYZL1 expression using RNA interference
Other Notes	Small volumes of LYZL1 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 LYZL1. It may not necessarily be applicable to this product.

NCBI GI #	13385592

NCBI GeneID	67328
NCBI Accession #	NP_080368.1
UniProt Primary Accession #	Q9CPX3
UniProt Related Accession #	Q9CPX3
GenBank Nucleotide #	NM_026092.3
NCBI Official Full Name	lysozyme-like protein 1
NCBI Official Synonym Full Names	lysozyme-like 1
NCBI Official Symbol	Lyzl1
NCBI Official Synonym Symbols	Lyc2; Lyzd1; 1700038F02Rik
UniProt Protein Name	Lysozyme-like protein 1
Protein Family	Lysozyme-like protein
UniProt Gene Name	Lyzl1
UniProt Synonym Gene Names	Lyc2
UniProt Entry Name	LYZL1_MOUSE
NCBI Protein Information	lysozyme-like protein 1
UniProt Comments for LYZL1	LYZL1: Belongs to the glycosyl hydrolase 22 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.2.1.17; Secreted, signal peptide; Secreted; Hydrolase Cellular Component: extracellular region Molecular Function: hydrolase activity; lysozyme activity; hydrolase activity, acting on glycosyl bonds Biological Process: metabolic process
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