OTOGL siRNA – Otogelin-Like Protein (Mouse)

PRODUCT OVERVIEW

Product Name	OTOGL, siRNA
Full Product Name	OTOGL siRNA (Mouse)
Product Gene Name	OTOGL sirna
Product Synonym Names	Otogelin-like protein
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	OTOGL 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	256,272 Da
3D Structure	ModBase 3D Structure for F7A4A7
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 OTOGL 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 OTOGL sirna	RNA Interference (RNAi)
Related Product Information for OTOGL sirna	MBS8238933 is an siRNA targeting OTOGL. Also known as OTOGL siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit OTOGL expression using RNA interference
Other Notes	Small volumes of OTOGL 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 OTOGL. It may not necessarily be applicable to this product.

NCBI GI #	294774587

NCBI GeneID	628870
NCBI Accession #	NP_001171038.1
UniProt Primary Accession #	F7A4A7
UniProt Secondary Accession #	D3JEN5
UniProt Related Accession #	F7A4A7
GenBank Nucleotide #	NM_001177567.1
NCBI Official Full Name	otogelin-like protein
NCBI Official Synonym Full Names	otogelin-like
NCBI Official Symbol	Otogl
NCBI Official Synonym Symbols	Gm6924; EG628870
UniProt Protein Name	Otogelin-like protein
Protein Family	Otogelin-like protein
UniProt Gene Name	Otogl
UniProt Entry Name	OTOGL_MOUSE
NCBI Protein Information	otogelin-like protein
UniProt Comments for OTOGL	OTOGL: Belongs to the otogelin family. Cellular Component: extracellular region Molecular Function: alpha-N-arabinofuranosidase activity Biological Process: sensory perception of sound; L-arabinose metabolic process
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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