KLHL24 siRNA – Kelch-Like Protein 24 (Mouse)

PRODUCT OVERVIEW

Product Name	KLHL24, siRNA
Full Product Name	KLHL24 siRNA (Mouse)
Product Gene Name	KLHL24 sirna
Product Synonym Names	Kelch-like protein 24; Kainate receptor-interacting protein for GluR6; KRIP6
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	KLHL24 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	68,364 Da
3D Structure	ModBase 3D Structure for Q8BRG6
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 KLHL24 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 KLHL24 sirna	RNA Interference (RNAi)
Related Product Information for KLHL24 sirna	MBS8237781 is an siRNA targeting KLHL24. Also known as KLHL24 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit KLHL24 expression using RNA interference
Other Notes	Small volumes of KLHL24 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 KLHL24. It may not necessarily be applicable to this product.

NCBI GI #	46447825

NCBI GeneID	75785
NCBI Accession #	NP_083712.4
UniProt Primary Accession #	Q8BRG6
UniProt Secondary Accession #	Q3TQG0; Q78J30; Q8BQU1; Q9D5K3
UniProt Related Accession #	Q8BRG6
GenBank Nucleotide #	NM_029436.3
NCBI Official Full Name	kelch-like protein 24
NCBI Official Synonym Full Names	kelch-like 24
NCBI Official Symbol	Klhl24
NCBI Official Synonym Symbols	C85082; 1110046J11Rik; 4930429H24Rik; 6530402O20Rik
UniProt Protein Name	Kelch-like protein 24
UniProt Synonym Protein Names	Kainate receptor-interacting protein for GluR6; KRIP6
Protein Family	Kelch-like protein
UniProt Gene Name	Klhl24
UniProt Synonym Gene Names	KRIP6
UniProt Entry Name	KLH24_MOUSE
NCBI Protein Information	kelch-like protein 24
UniProt Comments for KLHL24	KLHL24: Specifically reduces kainate receptor-mediated currents in hippocampal neurons, most probably by modulating channel properties. 2 isoforms of the human protein are produced by alternative splicing. Cellular Component: cell projection; cytoplasm
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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