KCTD21 siRNA – BTB/POZ Domain-Containing Protein KCTD21 (Mouse)

PRODUCT OVERVIEW

Product Name	KCTD21, siRNA
Full Product Name	KCTD21 siRNA (Mouse)
Product Gene Name	KCTD21 sirna
Product Synonym Names	BTB/POZ domain-containing protein KCTD21
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	KCTD21 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	29,623 Da
3D Structure	ModBase 3D Structure for Q3URF8
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 KCTD21 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 KCTD21 sirna	RNA Interference (RNAi)
Related Product Information for KCTD21 sirna	MBS8229048 is an siRNA targeting KCTD21. Also known as KCTD21 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit KCTD21 expression using RNA interference
Other Notes	Small volumes of KCTD21 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 KCTD21. It may not necessarily be applicable to this product.

NCBI GI #	148352323

NCBI GeneID	622320
NCBI Accession #	NP_001034128.2
UniProt Primary Accession #	Q3URF8
UniProt Related Accession #	Q3URF8
GenBank Nucleotide #	NM_001039039.3
NCBI Official Full Name	BTB/POZ domain-containing protein KCTD21
NCBI Official Synonym Full Names	potassium channel tetramerisation domain containing 21
NCBI Official Symbol	Kctd21
NCBI Official Synonym Symbols	EG622320
UniProt Protein Name	BTB/POZ domain-containing protein KCTD21
Protein Family	BTB/POZ domain-containing protein
UniProt Gene Name	Kctd21
UniProt Entry Name	KCD21_MOUSE
NCBI Protein Information	BTB/POZ domain-containing protein KCTD21
UniProt Comments for KCTD21	KCTD21: Biological Process: protein homooligomerization
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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