BAZ2B siRNA – Bromodomain Adjacent to Zinc Finger Domain Protein 2b Isoform B (Human)

PRODUCT OVERVIEW

Product Name	BAZ2B, siRNA
Full Product Name	BAZ2B siRNA (Human)
Product Gene Name	BAZ2B sirna
Product Synonym Names	KIAA1476; Bromodomain adjacent to zinc finger domain protein 2B; hWALp4
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	BAZ2B siRNA (Human) 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	236,423 Da
OMIM	605683
3D Structure	ModBase 3D Structure for Q9UIF8
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 human BAZ2B 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 BAZ2B sirna	RNA Interference (RNAi)
Related Product Information for BAZ2B sirna	MBS8237473 is an siRNA targeting BAZ2B. Also known as BAZ2B siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit BAZ2B expression using RNA interference
Other Notes	Small volumes of BAZ2B 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 BAZ2B. It may not necessarily be applicable to this product.

NCBI GI #	586798142
NCBI GeneID	29994
NCBI Accession #	NP_001276904.1
UniProt Primary Accession #	Q9UIF8
UniProt Secondary Accession #	Q96EA1; Q96SQ8; Q9P252; Q9Y4N8; D3DPA8
UniProt Related Accession #	Q9UIF8
GenBank Nucleotide #	NM_001289975.1
NCBI Official Full Name	bromodomain adjacent to zinc finger domain protein 2B isoform b
NCBI Official Synonym Full Names	bromodomain adjacent to zinc finger domain, 2B
NCBI Official Symbol	BAZ2B
NCBI Official Synonym Symbols	WALp4
UniProt Protein Name	Bromodomain adjacent to zinc finger domain protein 2B
UniProt Synonym Protein Names	hWALp4
Protein Family	Bromodomain adjacent to zinc finger domain protein
UniProt Gene Name	BAZ2B
UniProt Synonym Gene Names	KIAA1476
UniProt Entry Name	BAZ2B_HUMAN
NCBI Protein Information	bromodomain adjacent to zinc finger domain protein 2B
UniProt Comments for BAZ2B	BAZ2B: May play a role in transcriptional regulation interacting with ISWI. Belongs to the WAL family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription regulation Chromosomal Location of Human Ortholog: 2q24.2 Cellular Component: nucleus Molecular Function: protein binding; DNA binding; zinc ion binding Biological Process: transcription, DNA-dependent; regulation of transcription, DNA-dependent
Research Articles on BAZ2B	**1.** Observational study and genome-wide association study of gene-disease association. (HuGE Navigator)
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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