BCL2L14 siRNA – Apoptosis Facilitator Bcl-2-Like Protein 14 (Rat)

PRODUCT OVERVIEW

Product Name	BCL2L14, siRNA
Full Product Name	BCL2L14 siRNA (Rat)
Product Gene Name	BCL2L14 sirna
Product Synonym Names	Apoptosis facilitator Bcl-2-like protein 14; Bcl2-L-14
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	BCL2L14 siRNA (Rat) 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	36,891 Da
3D Structure	ModBase 3D Structure for Q6AYK4
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 rat BCL2L14 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 BCL2L14 sirna	RNA Interference (RNAi)
Related Product Information for BCL2L14 sirna	MBS8238289 is an siRNA targeting BCL2L14. Also known as BCL2L14 siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit BCL2L14 expression using RNA interference
Other Notes	Small volumes of BCL2L14 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 BCL2L14. It may not necessarily be applicable to this product.

NCBI GI #	66730463

NCBI GeneID	500348
NCBI Accession #	NP_001019509.1
UniProt Primary Accession #	Q6AYK4
UniProt Related Accession #	Q6AYK4
GenBank Nucleotide #	NM_001024338.1
NCBI Official Full Name	apoptosis facilitator Bcl-2-like protein 14
NCBI Official Synonym Full Names	Bcl2-like 14 (apoptosis facilitator)
NCBI Official Symbol	Bcl2l14
UniProt Protein Name	Apoptosis facilitator Bcl-2-like protein 14
Protein Family	Apoptosis facilitator Bcl-2-like protein
UniProt Gene Name	Bcl2l14
UniProt Synonym Gene Names	Bcl2-L-14
UniProt Entry Name	B2L14_RAT
NCBI Protein Information	apoptosis facilitator Bcl-2-like protein 14
UniProt Comments for BCL2L14	Bcl-G: Plays a role in apoptosis. Belongs to the Bcl-2 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis Cellular Component: cytoplasm; intracellular organelle; cytosol Molecular Function: protein kinase binding Biological Process: apoptosis
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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