BCAS2 siRNA – Pre-Mrna-Splicing Factor SPF27 (Mouse)

PRODUCT OVERVIEW

Product Name	BCAS2, siRNA
Full Product Name	BCAS2 siRNA (Mouse)
Product Gene Name	BCAS2 sirna
Product Synonym Names	DAM1; Pre-mRNA-splicing factor SPF27; Breast carcinoma-amplified sequence 2 homolog; DNA amplified in mammary carcinoma 1 protein
Host	Synthetic
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	BCAS2 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	26,131 Da
3D Structure	ModBase 3D Structure for Q9D287
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 BCAS2 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 BCAS2 sirna	RNA Interference (RNAi)
Related Product Information for BCAS2 sirna	MBS8240297 is an siRNA targeting BCAS2. Also known as BCAS2 siRNA (Mouse). Reactive in Mouse. Host: Synthetic. siRNA to inhibit BCAS2 expression using RNA interference
Other Notes	Small volumes of BCAS2 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 BCAS2. It may not necessarily be applicable to this product.

NCBI GI #	70906453

NCBI GeneID	68183
NCBI Accession #	NP_080878.2
UniProt Primary Accession #	Q9D287
UniProt Secondary Accession #	Q3TKJ5; Q91YX8; Q9D2U4; Q9DAI0
UniProt Related Accession #	Q9D287
GenBank Nucleotide #	NM_026602.3
NCBI Official Full Name	pre-mRNA-splicing factor SPF27
NCBI Official Synonym Full Names	breast carcinoma amplified sequence 2
NCBI Official Symbol	Bcas2
NCBI Official Synonym Symbols	C76366; C80030; AI132645; 6430539P16Rik
UniProt Protein Name	Pre-mRNA-splicing factor SPF27
UniProt Synonym Protein Names	Breast carcinoma-amplified sequence 2 homolog; DNA amplified in mammary carcinoma 1 protein
Protein Family	Pre-mRNA-splicing factor
UniProt Gene Name	Bcas2
UniProt Synonym Gene Names	Dam1
UniProt Entry Name	SPF27_MOUSE
NCBI Protein Information	pre-mRNA-splicing factor SPF27
UniProt Comments for BCAS2	BCAS2: Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. May have a scaffolding role in the spliceosome assembly as it contacts all other components of the core complex. Belongs to the SPF27 family. Protein type: Nuclear receptor co-regulator; RNA splicing; Spliceosome; Nucleolus Cellular Component: nucleoplasm; spliceosome; DNA replication factor A complex; cell junction; nucleus Biological Process: RNA splicing; mRNA processing
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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