RAD9B siRNA – Cell Cycle Checkpoint Control Protein RAD9B (Rat)

PRODUCT OVERVIEW

Product Name	RAD9B, siRNA
Full Product Name	RAD9B siRNA (Rat)
Product Gene Name	RAD9B sirna
Product Synonym Names	Cell cycle checkpoint control protein RAD9B; DNA repair exonuclease rad9 homolog B
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	RAD9B 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	44,075 Da
3D Structure	ModBase 3D Structure for Q499V3
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 RAD9B 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 RAD9B sirna	RNA Interference (RNAi)
Related Product Information for RAD9B sirna	MBS8216247 is an siRNA targeting RAD9B. Also known as RAD9B siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit RAD9B expression using RNA interference
Other Notes	Small volumes of RAD9B 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 RAD9B. It may not necessarily be applicable to this product.

NCBI GI #	71795629

NCBI GeneID	363924
NCBI Accession #	NP_001025213.1
UniProt Primary Accession #	Q499V3
UniProt Related Accession #	Q499V3
GenBank Nucleotide #	NM_001030042.1
NCBI Official Full Name	cell cycle checkpoint control protein RAD9B
NCBI Official Synonym Full Names	RAD9 checkpoint clamp component B
NCBI Official Symbol	Rad9b
UniProt Protein Name	Cell cycle checkpoint control protein RAD9B
UniProt Synonym Protein Names	DNA repair exonuclease rad9 homolog B
Protein Family	Cell cycle checkpoint control protein
UniProt Gene Name	Rad9b
UniProt Entry Name	RAD9B_RAT
NCBI Protein Information	cell cycle checkpoint control protein RAD9B
UniProt Comments for RAD9B	RAD9B: Belongs to the rad9 family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: DNA replication Biological Process: DNA damage checkpoint; DNA repair
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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