SRSF6 siRNA – Serine/Arginine-Rich Splicing Factor 6 (Rat)

PRODUCT OVERVIEW

Product Name	SRSF6, siRNA
Full Product Name	SRSF6 siRNA (Rat)
Product Gene Name	SRSF6 sirna
Product Synonym Names	SFRS6; SRP55; Serine/arginine-rich splicing factor 6; Pre-mRNA-splicing factor SRP55; Splicing factor. arginine/serine-rich 6
Host	Synthetic
Species Reactivity	Rat
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SRSF6 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	39,025 Da
3D Structure	ModBase 3D Structure for G3V6S8
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 SRSF6 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 SRSF6 sirna	RNA Interference (RNAi)
Related Product Information for SRSF6 sirna	MBS8206901 is an siRNA targeting SRSF6. Also known as SRSF6 siRNA (Rat). Reactive in Rat. Host: Synthetic. siRNA to inhibit SRSF6 expression using RNA interference
Other Notes	Small volumes of SRSF6 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 SRSF6. It may not necessarily be applicable to this product.

NCBI GI #	306922366

NCBI GeneID	362264
NCBI Accession #	NP_001014207.2
UniProt Primary Accession #	G3V6S8
UniProt Secondary Accession #	Q5PQM1
UniProt Related Accession #	G3V6S8
GenBank Nucleotide #	NM_001014185.2
NCBI Official Full Name	serine/arginine-rich splicing factor 6
NCBI Official Synonym Full Names	serine/arginine-rich splicing factor 6
NCBI Official Symbol	Srsf6
NCBI Official Synonym Symbols	Sfrs6
UniProt Protein Name	Serine/arginine-rich splicing factor 6
UniProt Synonym Protein Names	Pre-mRNA-splicing factor SRP55; Splicing factor, arginine/serine-rich 6
Protein Family	Serine/arginine-rich splicing factor
UniProt Gene Name	Srsf6
UniProt Synonym Gene Names	Sfrs6; Srp55
UniProt Entry Name	SRSF6_RAT
NCBI Protein Information	serine/arginine-rich splicing factor 6
UniProt Comments for SRSF6	SFRS6: Plays a role in constitutive splicing and can modulate the selection of alternative splice sites. Represses the splicing of MAPT/Tau exon 10. Belongs to the splicing factor SR family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA splicing; RNA-binding; Spliceosome Cellular Component: nucleoplasm; nuclear speck Molecular Function: RNA binding; nucleotide binding Biological Process: alternative nuclear mRNA splicing, via spliceosome; mRNA splice site selection; negative regulation of nuclear mRNA splicing, via spliceosome; negative regulation of keratinocyte differentiation; regulation of alternative nuclear mRNA splicing, via spliceosome
Research Articles on SRSF6	**1.** Phosphorylation of SRp55 by Dyrk1A suppressed its ability to promote Tau exon 10 inclusion.
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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