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

PRODUCT OVERVIEW

Product Name	SRSF6, siRNA
Full Product Name	SRSF6 siRNA (Human)
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	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SRSF6 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	38,419 Da
OMIM	601944
3D Structure	ModBase 3D Structure for Q13247
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 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	MBS828775 is an siRNA targeting SRSF6. Also known as SRSF6 siRNA (Human). Reactive in Human. 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 #	20127499
NCBI GeneID	6431
NCBI Accession #	NP_006266.2
UniProt Primary Accession #	Q13247
UniProt Secondary Accession #	Q13244; Q13245; Q96J06; Q9UJB8; Q9Y3N7; B7Z6J3; E1P5W6
UniProt Related Accession #	Q13247
GenBank Nucleotide #	NM_006275.5
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	B52; SFRS6; SRP55; HEL-S-91
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_HUMAN
NCBI Protein Information	serine/arginine-rich splicing factor 6
NCBI Summary for SRSF6	The protein encoded by this gene is involved in mRNA splicing and may play a role in the determination of alternative splicing. The encoded nuclear protein belongs to the splicing factor SR family and has been shown to bind with and modulate another member of the family, SFRS12. Alternative splicing results in multiple transcript variants. In addition, two pseudogenes, one on chromosome 17 and the other on the X chromosome, have been found for this gene.[provided by RefSeq, Sep 2010]
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 Chromosomal Location of Human Ortholog: 20q12-q13.1 Cellular Component: nucleoplasm; nuclear speck Molecular Function: RNA binding; nucleotide binding Biological Process: nuclear mRNA splicing, via spliceosome; alternative nuclear mRNA splicing, via spliceosome; transcription from RNA polymerase II promoter; mRNA splice site selection; mRNA export from nucleus; negative regulation of nuclear mRNA splicing, via spliceosome; RNA splicing; negative regulation of keratinocyte differentiation; gene expression; mRNA 3'-end processing; termination of RNA polymerase II transcription; regulation of alternative nuclear mRNA splicing, via spliceosome
Research Articles on SRSF6	**1.** SRSF6 is a regulator of wound healing and tissue homeostasis in skin.
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