SPRYD7 siRNA – SPRY Domain-Containing Protein 7 Isoform 2 (Human)

PRODUCT OVERVIEW

Product Name	SPRYD7, siRNA
Full Product Name	SPRYD7 siRNA (Human)
Product Gene Name	SPRYD7 sirna
Product Synonym Names	C13orf1; CLLD6; SPRY domain-containing protein 7; Chronic lymphocytic leukemia deletion region gene 6 protein; CLL deletion region gene 6 protein
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SPRYD7 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	17,487 Da
OMIM	607866
3D Structure	ModBase 3D Structure for Q5W111
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 SPRYD7 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 SPRYD7 sirna	RNA Interference (RNAi)
Related Product Information for SPRYD7 sirna	MBS8230878 is an siRNA targeting SPRYD7. Also known as SPRYD7 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit SPRYD7 expression using RNA interference
Other Notes	Small volumes of SPRYD7 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 SPRYD7. It may not necessarily be applicable to this product.

NCBI GI #	188595645
NCBI GeneID	57213
NCBI Accession #	NP_001120954.1
UniProt Primary Accession #	Q5W111
UniProt Secondary Accession #	O60648; Q8TBG8; Q96T69; A8K3G1
UniProt Related Accession #	Q5W111
GenBank Nucleotide #	NM_001127482.2
NCBI Official Full Name	SPRY domain-containing protein 7 isoform 2
NCBI Official Synonym Full Names	SPRY domain containing 7
NCBI Official Symbol	SPRYD7
NCBI Official Synonym Symbols	CLLD6; C13orf1
UniProt Protein Name	SPRY domain-containing protein 7
UniProt Synonym Protein Names	Chronic lymphocytic leukemia deletion region gene 6 protein; CLL deletion region gene 6 protein
Protein Family	SPRY domain-containing protein
UniProt Gene Name	SPRYD7
UniProt Synonym Gene Names	C13orf1; CLLD6; CLL deletion region gene 6 protein
UniProt Entry Name	SPRY7_HUMAN
NCBI Protein Information	SPRY domain-containing protein 7
UniProt Comments for SPRYD7	CLLD6: 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 13q14
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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