SUGP2 siRNA – SURP and G-Patch Domain-Containing Protein 2 (Human)

PRODUCT OVERVIEW

Product Name	SUGP2, siRNA
Full Product Name	SUGP2 siRNA (Human)
Product Gene Name	SUGP2 sirna
Product Synonym Names	KIAA0365; SFRS14; SURP and G-patch domain-containing protein 2; Arginine/serine-rich-splicing factor 14; Splicing factor. arginine/serine-rich 14
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	SUGP2 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	115,186 Da
OMIM	607993
3D Structure	ModBase 3D Structure for Q8IX01
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 SUGP2 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 SUGP2 sirna	RNA Interference (RNAi)
Related Product Information for SUGP2 sirna	MBS8212340 is an siRNA targeting SUGP2. Also known as SUGP2 siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit SUGP2 expression using RNA interference
Other Notes	Small volumes of SUGP2 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 SUGP2. It may not necessarily be applicable to this product.

NCBI GI #	224282119
NCBI GeneID	10147
NCBI Accession #	NP_001017392.2
UniProt Primary Accession #	Q8IX01
UniProt Secondary Accession #	O15071; O60369; Q5JPH7; Q8WUF7; C9JI71
UniProt Related Accession #	Q8IX01
GenBank Nucleotide #	NM_001017392.3
NCBI Official Full Name	SURP and G-patch domain-containing protein 2
NCBI Official Synonym Full Names	SURP and G patch domain containing 2
NCBI Official Symbol	SUGP2
NCBI Official Synonym Symbols	SFRS14
UniProt Protein Name	SURP and G-patch domain-containing protein 2
UniProt Synonym Protein Names	Arginine/serine-rich-splicing factor 14; Splicing factor, arginine/serine-rich 14
Protein Family	SURP and G-patch domain-containing protein
UniProt Gene Name	SUGP2
UniProt Synonym Gene Names	KIAA0365; SFRS14
UniProt Entry Name	SUGP2_HUMAN
NCBI Protein Information	SURP and G-patch domain-containing protein 2
NCBI Summary for SUGP2	This gene encodes a member of the arginine/serine-rich family of splicing factors. The encoded protein functions in mRNA processing. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]
UniProt Comments for SUGP2	SFRS14: May play a role in mRNA splicing (Potential). 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding Chromosomal Location of Human Ortholog: 19p12 Cellular Component: nucleoplasm 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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