Product Specification Summary

siRNA:RNA Interference

Catalog Number	SMARTBASE SIRNA
Product Name	SmartBase™ siRNA Modifications: Design Guide for Enhanced siRNA Performance
Size	1 each
Description	SmartBase™ siRNA Modifications: Design Guide for Enhanced siRNA Performance
Component/Note	SmartBase™siRNA Modifications: Design Guide for Enhanced siRNA Performance
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SmartBase™ siRNA Modifications: Design Guide for Enhanced siRNA Performance.

Gene Link presents various design options for synthesizing effective siRNAs, probes and oligos based on the application. SmartBase™ siRNA can be synthesized in a predetermined way to exhibit the features that is desired; for instance to increase duplex stability 2'-fluoro C and U bases and 5-methyl dC and 2-Amino dA can be substituted, for nuclease resistance the phosphodiester linkages can be selectively substituted with phosphorothioate and for cellular delivery we may add cholesterol to the synthetic oligonucleotide sequence or modify with thiol or amine for post synthesis conjugation with Cell Penetrating Peptides (CPP's) that are known to aid transport and facilitate cellular uptake.

The premise of this product guide is to introduce the use of SmartBase™modifications and go beyond the traditional use of standard DNA and RNA bases for constructing synthetic siRNAs in particular and as well emphasize their use in primers, oligos and probes. SmartBase™modifications also introduces the molecular biologists to develop a cross-disciplinary synergy of molecular applications to a wealth of nucleic acid chemistry tools available as modified bases to impart specific properties compatible with biological applications and gene expression pathways.

Scan the QR Code or visit the following links

Product Infomation http://www.genelink.com/geneprodsite/product.asp?p=17142

Product Manual http://www.genelink.com/Literature/ps/SmartBase siRNA_V2.1.pdf

Product MSDS http://www.genelink.com/Literature/ps/MSDSNH.pdf

Related Products

Product	Catalog No	Size
Guaranteed RNAi Explorer Kit w/ Fluorescein Molecular Beacon 3 siRNA duplex; 1 Kit	27-6402-01	1 Kit
3 Target siRNA's & 1 negative control duplex. Standard purity, 2 nmol each	27-6402-02	1 Kit
Guaranteed RNAi Explorer Kit 3 siRNA duplex; 1 Kit	27-6402-06	1 Kit
siRNA non-silencing FL labeled; 20 nmols	27-6411-20FL	20 nmols
Human Vimentim custom siRNA duplex; 20 nmols	27-6412-20	20 nmols
Mouse Beta Tubulin control siRNA duplex; 20 nmols	27-6414-20	20 nmols
Rat Chromogranin-A control siRNA duplex; 20 nmols	27-6415-20	20 nmols
Human Vimentim control siRNA duplex FL label; 10 nmols	27-6412-10FL	10 nmols
Human Beta Actin control siRNA duplex FL; 10 nmols	27-6413-10FL	10 nmols
Rat Chromogranin-A control siRNA duplex; 10 nmols	27-6415-10FL	10 nmols
Custom siRNA duplex standard purity; 2 nmols	27-6436-20	2 nmols
Custom siRNA duplex standard purity; 10 nmols	27-6436-10	10 nmols
Custom siRNA duplex standard purity; 50 nmols	27-6436-05	50 nmols
Custom siRNA duplex standard purity; 100 nmols	27-6436-01	100 nmols
Custom siRNA duplex Reverse Phase Purified; 2 nmols	27-6437-20	2 nmols