



siRNA 客製化合成服務

The siRNA synthesis products are repeatedly optimized and rigorously tested to ensure the high stability of product quality. Chemical synthesis of siRNA has following advantages: simple operation, high transfection efficiency; low toxic side effects to cells or tissues, and large-scale preparation, which makes chemical synthesis applicable for siRNA effective fragment screening while the genetic target site is uncertain.

iSilencing siRNA 產品特色

Quality Control

- SiRNA oligo synthesis is completed under strictly controlled process and condition
- ISO9000 Quality System Certification
- Products are precisely quantitated by spectrophotometer

Purification

- HPLC purification : siRNA concentration >97%

Labeling and Modification

- biotin, FAM or phosphorate labeling in 3' and 5' end;

Length

- 19~23 bp/strand

Product Types

- Single strand RNA lyophilized powder
- Annealed dsRNA lyophilized powder

Storage and Stability

- Although oligonucleotides are stable in solution at 4°C for up to 2 weeks, we recommends storing siRNA solution at -20°C, and repetitive freezing and thaw should be avoided by aliquots. The recommended storage concentration is above 20 µM. We guarantees the oligonucleotide stability for 6 months under above conditions. The fluorescence-labeled RNA must be kept in dark.

Technology Data Sheet

- Technical data sheet is delivered together with siRNA oligo, and the sheet includes oligo name, sequence, concentration, OD, the precise number of OD and nmols, Tm, MW, size, extinction coefficient and purification type.

Personalized Service

- Aliquot under customer's request
- Free design support

Delivery

- 1.5ml freezing tube package,
- express delivery

訂購資訊

iSilencing siRNA 2OD	售價\$5900
iSilencing siRNA 5OD	售價\$6500
iSilencing siRNA 10OD	售價\$9900

訂購資訊

iSilencing chemically-modified siRNA 2OD	售價\$6500
iSilencing chemically-modified 5OD	售價\$7500
iSilencing chemically-modified 10OD	售價\$11500

**The chemically-modification can be 2'F modification or 2'Ome modification.

Chemically-modified siRNA VS. standard siRNA

critical challenges	standard siRNA	chemically-modified siRNA
siRNA degradation	The non-modified standard siRNA is easy to be degraded in cell culture process. Although it is effective in most in vitro experiments, its life expectancy is shorter in cell culture.	The chemically-modified siRNA not only increases its life expectancy in serum and cell culture, but also strengthens its in vitro application capability
long time effect	Relative short time effect, under normal circumstances for approximately one week.	The chemically-modified siRNA has long time effect, its effective time is twice as that of the standard siRNA
In vivo activity	The standard siRNA has poor stability, usually is not applicable to vivo experiments	The chemically-modified siRNA has strong stability in vivo

Fluorescent Dye-labeled siRNA

The siRNA oligo can be labeled in the four different ends of double stranded by multiple markers. The labeled siRNA can be observed by flow cytometry, fluorescence microscopy, and laser scanning confocal microscope, which can determine whether the transfection is effective, and optimize transfection conditions. The labeled siRNA can also be used in siRNA intracellular localization and double labeling experiments (with labeled antibody) to track those siRNA transfected cells, then the reduction of target protein expression will be integrated with the transfection. Labeling of the anti-sense 5' end will influence the gene silencing activity, so labeling of this site is not recommended. Modification of any of other three ends .

has no influence on silencing activity. We recommend to modifying the 5'end of sense strand, which is the best recognized chemical labeling locus.

5'end fluorescence- labeled siRNA oligo is usually labeled by FAM. Products are in double stranded form, and purified by HPLC.

訂購資訊

fluorescent dye-labeled siRNA 20D	售價\$7100
fluorescent dye-labeled siRNA 50D	售價\$9700
fluorescent dye-labeled siRNA 100D	售價\$13500

Control siRNA

訂購資訊

negative control siRNA 10D	售價\$2700
FAM labeled negative control siRNA 10D	售價\$2700
GFP274 positive control siRNA 10D	售價\$2700
Luciferase GL2 positive control siRNA 10D	售價\$2700
MAPK1 positive control siRNA 10D	售價\$2700
Beta-Actin positive control siRNA 10D	售價\$2700
Vimentin positive control siRNA 10D	售價\$2700
P53 positive control siRNA 10D	售價\$2700
GAPDH positive control siRNA 10D	售價\$2700
Cyclophilin B positive control siRNA 10D	售價\$2700

Published and Validated siRNA

Published and validated siRNA oligos have already been confirmed to inhibit corresponding gene expression effectively

Gene Name	Gene Name
β-actin	GalTII (galactosyltransferase II)
gamma-actin	GAS41 (1)
AIB1 (estrogen receptor co-activator)	Hec-1
Apaf-1	HPV E6
ARC21	HPV E7
ATR interacting protein	Tissue Factor (hTF)
Bcr-abl	vimentin
beta-tubulin- mouse neuronal	HtrA2
Bruton's tyrosine kinase (Btk)	keratin 18
Casein Kinase I epsilon and delta (CKI-epsilon and CKI-delta)	Kinase interacting stathmin (hKIS)
Caspase 1	lamin A
Caspase 2	lamin A/C
hCdc2	lamin B1
Cdc14A	lamin B2
cdk1	LAP2

Gene Name	Gene Name
CENP-E	Mad1
CHO1	Mammalian septin (MSF)
corin, mouse	Methyl-CpG-binding protein 2 (MeCP2)
Cyclin B1	Methyl-DpG binding domain protein 2 (MBD2)
Cyclin B2	MPS1 kinase (hMps1)
cytoplasmic dynein 1 heavy chain	Nicastrin (Nct)
DIP13-alpha (DCC interacting protein)	NuMA
Dishevelled (hDv-1 and hDv-3)	Nup153
hDv-2	P160 ROCK
Eg5	Polo-like Kinase1 (hPlk1)
emerin	Protein Kinase Receptor
eve	hRad9
hFbw7 (cyclin E ubiquitination)	Rad17
Fortilin	Myeloid cell leukemia protein 1 (MCL1)
GalTII (galactosyltransferase II)	

訂購資訊

Published and Validated siRNA 50D	售價\$6500
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