



## Oligonucleotide Synthesis

GCTTACCGGTTAAAGCTGCTTACATCGATGATCCATGGTCA  
CTTGACCTTTACGATTCGGACTATCGAGTCGTCAACTG

CGCTGCTTAGTTTCGATGATCCATGGTCA  
CACCATTCCGACTATCGAGTCGTCAACTA  
GGGTACCCATGGCCATTCCAGTCCCAATCATT  
TTACATTCCTGTATCGATCCGTCGAATTC  
CGCTGCTTAGTTTCGATGATCCATGGTCA  
CCTTATTCGACTATCGAGTCGTCAACTA

# 1st BASE CUSTOM & MODIFIED siRNA DUPLEX

Researchers use RNA Interference as a tool to study Functional Genomics, Developmental Biology, Gene Expression and in vivo and in vitro Transfection Efficiency studies. We provide the synthesis of sequence-specific short interfering RNA (siRNA) for direct transfection.

### Features of siRNA Duplex

- Between 19-21mers with UU overhangs
- HPLC Purified and annealed (97% purity guaranteed)
- Delivery Format: Lyophilised duplex
- Modifications available: 5' Biotin, 5' Phosphate, 5'6 - FAM
- Delivered with DEPC- treated water for reconstitution
- Expected delivery: 1-2 weeks

Product No	Description
siRNA Duplex – 2 OD	siRNA Oligo (duplex) 2 OD yield, HPLC Purified (97% purity)
siRNA Duplex – 5 OD	siRNA Oligo (duplex) 5 OD yield, HPLC Purified (97% purity)
siRNA Duplex – 10 OD	siRNA Oligo (duplex) 10 OD yield, HPLC Purified (97% purity)
siRNA Duplex – 25 OD	siRNA Oligo(duplex) 25 OD yield, HPLC Purified (97% purity)
siRNA Duplex 6FAM – 5 OD	siRNA Oligo(duplex), 5'6-FAM™ label on sense strand 5 OD yield, HPLC Purified (97% purity)

We will include complimentary siRNA duplex design assistance for confirmed orders. Simply provide the Gene Accession number of your Gene of interest. We will provide our proposed siRNA sequences\*. It is strongly recommended to take up at least 3 designs to ensure a higher success rate of gene knockdown.

\*siRNA design proposals are provided upon confirmation of your purchase. Information about your order will be kept confidential.

### For ordering and enquiries, please contact

**1st BASE Pte Ltd**  
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# 1st BASE

## Validated siRNA Controls and siRus-4 siRNA Kit

Control reactions (positive, negative and transfection controls) are crucial for a quantifiable knockdown experiment.

**We offer a comprehensive range of ready-made validated siRNA controls for your research!**

Gene Name					
CHO1	Eg5	Hec-1	Keratin 18	Mad1	NuMA
Corin, Mouse	Emerin	hFbw7 (cyclin E ubiquitination)	hKIS (Kinase interacting stathmin)	MSF (Mammalian septin)	Nup153
Cyclin	Eve	HPV E6	Lamin A	MeCP2 (Methyl-CpG binding protein 2)	P160 ROCK
Cyclin B2	Fortilin	HPV E7	Lamin A/C	MBD2 (Methy-DpG binding domain protein 2)	hP1k1 (Polo-like Kinase 1)
Cytoplasmic Dynein 1 Heavy Chan	GAITII (galactosyltransferase II)	HRad9	Lamin B1	hMps1 (MPS1 kinase)	PKR (Protein Kinase Receptor)
DCC interacting protein (DIP 13-alpha)	GAS41 (1)	Htra2	Lamin B2	MCL1 (Myeloid cell leukemia protein 1)	Rad17
Dishevelled (hDv - 1 and hDv -13)	hDv-2	hTF (Tissue Factor)	LAP2	Nct (Nicastrin)	Vimentin

For other type of controls, do enquire

### Specifications of siRNA Controls

Product No	Description
siRNA Negative Control – 1 OD	siRNA Negative Control (21mer duplex), HPLC purified, 1 OD yield
siRNA Negative Control – 5 OD	siRNA Negative Control (21mer duplex), HPLC purified, 5 OD yield
siRNA Positive Control – 1 OD	siRNA Positive Control (21mer duplex), HPLC purified, 1 OD yield
siRNA Positive Control – 5 OD	siRNA Positive Control (21mer duplex), HPLC purified, 5 OD yield

### siRus-4 siRNA Kit

A comprehensive kit that includes 4 sequence-specific siRNA duplexes and the necessary control duplexes to set up your experiment.

#### Each siRus-4 kit\* consists of:

- 4 siRNA Duplexes (10nmol yield/ duplex)
- 1 Positive Control (2.5nmol)
- 1 Negative Control (2.5nmol)
- 1 FAM Labelled control (2.5nmol)

\*All duplexes are HPLC Purified (97% purity), suitable for standard siRNA duplexes between 19 and 21 bp

**We are continuously expanding our product range for RNAi research, please contact us for an updated list of products.**

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