

## siRNA library for Human

- 24 siRNA libraries for more than 10,600 genes and 35,500 siRNA designs.
- siRNA are grouped by gene function and pathway.
- New sets are being added on an ongoing basis.
- Search your siRNA in:  
[www.techdragon.com.hk/documents/sirna.html](http://www.techdragon.com.hk/documents/sirna.html)

Gene family/ functional class	No. of Human genes	
	Total	Validated
Antioxidant	38	-
Apoptosis	290	198
Caspase	37	18
Cell cycle	112	107
Cyclase	22	-
Cytochrome P450	52	-
Deaminase	22	-
GPCR signaling pathway	732	1
Helicase	115	4
Isomerase	104	-
Kinase	700	55
Ligase	272	13
Lyase	123	5
Motor	122	2
NF- $\kappa$ B pathway	37	-
Nucleic acid binding	2,589	83
Oxidoreductase	551	2
Peptidase	495	9
Phosphatase	188	4
Receptor	1,526	13
Transferase	1,432	53
Transporter	1,023	2
Tublin	20	-
Ubiquitin	77	2

### Knockdown efficiency of siRNA library

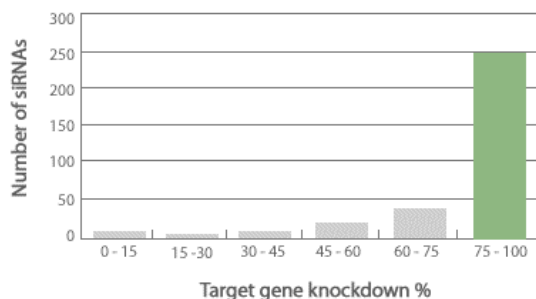


Fig. 1. HeLa cells were transfected with siRNAs at 100 nM concentration. Twenty four hours post-transfection, total RNA was isolated and the level of target mRNA was measured by QRT-PCR. 83.8% of tested siRNAs induced >70% knockdown and 38.1% of tested siRNAs elicited >90% knockdown.

### siRNA Library for Human - Starter Set

**HK\$1,400 per 3 pre-designed siRNA oligos.**  
 For Validated siRNA design, additional charge of HK\$200 per siRNA oligo.  
 You can choose either one, two, or three siRNA(s) per target gene.  
 Each siRNA oligo provided in 1nmole yield, duplex format and oligo sequences.

**Promotional offer**  
**From now to 31 Dec 2011:**  
**Buy 3 get 3 free**

### siRNA Synthesis Service - Custom & Predesigned siRNA, duplex

Yield	OPC (Desalted)/Duplex	HPLC purified/Duplex
10 nmole	\$1,850	\$3,470
20 nmole	\$2,200	\$4,640
50 nmole	\$3,370	\$5,550

- The above price is applied upto 30-mer siRNA, including 3-dTdT overhang.

### Negative / Positive Control siRNA (duplex)

Yield	OPC (Desalted)	HPLC purified	Fluorescein Labeled Negative Control, HPLC purified
5 nmole	\$810	\$1,440	\$1,790
10 nmole	\$1,540	\$2,020	\$2,750
20 nmole	\$2,020	\$2,990	\$3,680
50 nmole	\$2,980	\$3,730	-
Positive control: 5 nmole + Negative control: 2 nmole	\$1,490	\$1,790	-

- Negative Control siRNA can be used commonly on Human, Mouse and Rat as scrambled control sequences.  
 - Selection for Positive Control: GAPDH / GFP / Luciferase.



**Tech Dragon Ltd.**

Rm. 808, Topsail Plaza, 11 On Sum Street, Shatin, Hong Kong  
 E-mail: [info@techdragon.com.hk](mailto:info@techdragon.com.hk) Web-site: [www.techdragon.com.hk](http://www.techdragon.com.hk)

Tel.: (852) 2646 5368  
 Fax: (852) 2646 5037

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