

Silencer™ Human Druggable Genome siRNA Library (96 well)

Catalog Number A30077

Pub. No. 100038145 Rev. A

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from thermofisher.com/support.

Product description

The Invitrogen™ Silencer™ Human Druggable Genome siRNA Library (96 well) contains Silencer™ pre-designed, and when available, validated siRNAs.

- The siRNAs target human genes that include kinases, phosphatases, proteases, ion channels, nuclear hormones, and GPCR.
- For handling and usage guidelines, refer to *Silencer™ Libraries: Transfection Protocol* (Pub. no. MAN0014606).

Library characteristics

Characteristic	Description
Lot number	XXXXXXX
Total amount of each siRNA	0.25 nmol of each siRNA
siRNA aliquot description	1 × 0.25 nmol
Library content	23,349 unique siRNAs targeting transcripts from each of 7783 druggable human genes. Total of 267 × 96-well plates (Axygen PCR96FS; www.axxygen.com). <ul style="list-style-type: none"> • 264 plates with 88 siRNAs each. • 3 plates with 39 siRNAs each. A few siRNAs target more than one gene's transcript(s), due to gene families with highly homologous members or predicted genes with high homology to verified genes. Refer to the accompanying CD for sequence information and additional siRNA details.
Library format	Individual siRNAs
Empty wells per plate	Last column empty
Plate layout	siRNAs to same target in separate plates in same location
siRNA purity	Standard
siRNA format	Annealed
Appearance	Powder
Storage	Store at or below -20°C. Do not store in a frost-free freezer. (Dried oligonucleotides are shipped at ambient temperature.)
Shelf life	1 year, when stored at or below -20°C.

Quality control

Identity: The mass of a sample of each single-stranded RNA oligonucleotide is analyzed using MALDI-TOF mass spectrometry and compared to the calculated mass.

Annealing: A sample of the annealed siRNA is analyzed by nondenaturing gel electrophoresis.

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at www.thermofisher.com/us/en/home/global/terms-and-conditions.html. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.

The information in this guide is subject to change without notice.

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Corporate entity: Life Technologies | Carlsbad, CA 92008 USA | Toll Free in USA 1.800.955.6288

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