

Silencer™ Select Human Long Non-coding RNA (lncRNA) siRNA Library

Catalog Number A30148

Pub. No. 100038179 Rev. B

 **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™ Select Human Long Non-coding RNA (lncRNA) siRNA Library contains Silencer™ Select pre-designed, and when available, validated siRNAs.

- The siRNAs target human genes encoding for long non-coding RNA.
- For handling and usage guidelines, refer to *Silencer™ Select Human Long Non-coding RNA (lncRNA) siRNA Library: Transfection protocol* (Pub. no. MAN0018319).

Library characteristics

| Characteristic | Description |
|----------------------------|---|
| Lot number | XXXXXX |
| Total amount of each siRNA | 0.25 nmol of each siRNA |
| siRNA aliquot description | 1 × 0.25 nmol |
| Library content | 15,081 unique siRNAs targeting transcripts from each of 5027 genes (3 non-overlapping siRNA per gene). Total of 174 × 96-well plates (Axygen PCR96FS; www.axxygen.com). <ul style="list-style-type: none"> • 171 plates with 88 siRNAs each. • 3 plates with 11 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.

For Research Use Only. Not for use in diagnostic procedures.

Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

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

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