

Silencer™ Select Human Long Non-coding RNA (lncRNA) siRNA Library (384 well)

Catalog Number A30149

Pub. No. 100038180 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 (384 well) 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 45 × 384-well plates (Axygen PCR384FS; www.axxygen.com). <ul style="list-style-type: none"> • 42 plates with 352 siRNAs each. • 3 plates with 99 siRNAs each. <p>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.</p> <p>Refer to the accompanying CD for sequence information and additional siRNA details.</p> |
| Library format | Individual siRNAs |
| Empty wells per plate | Last two columns 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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