


# Silencer™ Human Membrane Trafficking siRNA Library

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 **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](http://thermofisher.com/support).

## Product description

The Invitrogen™ Silencer™ Human Membrane Trafficking siRNA Library contains Silencer™ pre-designed, and when available, validated siRNAs.

- The siRNAs target human genes known or predicted to participate in membrane trafficking or remodeling.
- For handling and usage guidelines, refer to *Silencer™ Libraries: Transfection Protocol* (Pub. no. MAN0014606).

## Library characteristics

Characteristic	Description
Lot number	XXXXXXXX
Total amount of each siRNA	0.25 nmol of each siRNA
siRNA aliquot description	1 × 0.25 nmol
Library content	426 unique siRNAs targeting transcripts from each of 142 genes. Total of 6 × 96-well plates (Axygen PCR96FS; <a href="http://www.axxygen.com">www.axxygen.com</a> ). <ul style="list-style-type: none"> <li>• 3 plates with 88 siRNAs each.</li> <li>• 3 plates with 54 siRNAs each.</li> </ul> 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

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