

## Custom Neg Control siRNA

(Cat# M1256-1; 1 OD; PAGE Purified; Store at -20°C)

### I. Introduction:

BioVision offers low price and high-quality positive and **negative siRNA controls** for human and mouse cells RNAi experiments. A negative control should be always included in a complete siRNA experiment. During the siRNA primary screening, the researcher may choose our custom negative control, which has no homologous sequence with the target gene. In order to do further study, the gene function, the **negative control siRNA** should have the same composition as the selected siRNA sequences, but have no obvious homology with the mRNA. The general method is to order the selected siRNA sequence, and to determine the results simultaneously to ensure that there is no homology with other genes in target cells.

### II. Key Features:

- Offers a complete set of experimental controls, which can be used to optimize the RNAi experimental conditions
- The effect of gene silencing can be identified flexibly by follow-up experiments such as quantitative PCR, western blot etc.
- Transfection efficiency can be monitored easily by fluorescence-labeled negative controls

### III. Specifications of Control siRNA Oligos:

- **Quality Control:** All our siRNA oligos undergo vigorous process monitoring and strict quality control. Length and labeling are systematically controlled by PAGE or Mass Spectrometry Analysis. Quantity is systematically validated by UV abs at 260 nm
- **Purification:** Fully deprotected and desalted
- **Purified by PAGE**
- **Length:** 19 to 23 mers
- **Bases:** RNA (A, C, G or U)
- **Backbone:** Phosphodiester bond
- **Labels and modifications:** Fluorescein, biotin and phosphate: 3' or 5' end
- **Format:** Single-strand RNA oligos is delivered in dry form
- **Oligonucleotide Technical Data Sheet:** Oligonucleotides are delivered with an oligonucleotide technical data sheet, which includes oligonucleotide name, sequence, concentration, size, purification method

### IV. Applications: siRNA Transfection

**V. Storage and stability:** Although oligonucleotides are stable in solution at 4°C for up to 2 weeks, we recommend storage should be at -20°C. Repetitive freeze-thaw cycles should be avoided by storing as aliquots. For long-term storage, siRNA oligos should be dried.

**VI. Shipment:** Shipped by express delivery, dry in individual, transparent tubes. Oligonucleotides with fluorescent labels should be protected from light. We guarantee our oligonucleotides for six months, when stored under the above conditions.

### VII. Package Contents (Custom Neg Control siRNA):

Components	Quantity	Part No.
Custom Neg Control siRNA	1 OD	M1256-1-1
Universal Buffer	Varies	M1256-XX-2

### VIII. Related Products:

Product Name	Cat. No.	Quantity
Custom siRNA	M1253-2 to M1253-10	2 OD to 10 OD
Chemically Modified siRNA	M1254-2 to M1254-10	2 OD to 10 OD
Fluorescent labeled siRNA	M1255-2 to M1255-10	2 OD to 10 OD
Custom Neg Control siRNA	M1256-1	1 OD
Labeled Neg Control siRNA	M1257-1	1 OD
Custom Pos Control siRNA	M1258-1	1 OD
ss miRNA mimics	M1259-2 to M1259-10	2 OD to 10 OD
ss miRNA mimics Neg Control	M1260-1	1 OD
Labeled ss miRNA mimics Neg Control	M1261-1	1 OD
ds miRNA mimics	M1262-2 to M1262-10	2 OD to 10 OD
ds miRNA mimics Neg Control	M1263-1	1 OD
Labeled ds miRNA mimics Neg Control	M1264-1	1 OD
miRNA Inhibitor	M1265-2 to M1265-10	2 OD to 10 OD
miRNA Inhibitor Neg Control	M1266-1	1 OD
Labeled miRNA Inhibitor Neg Control	M1267-1	1 OD
Pre-designed siRNA Oligo Set A	M1268	Set
Pre-designed siRNA Oligo Set B	M1269	Set
Chemically Modified siRNA Set C	M1270	Set
Chemically Modified siRNA Set D	M1271	Set
Labeled siRNA Set E	M1272	Set
Labeled siRNA Set F	M1273	Set

FOR RESEARCH USE ONLY! Not to be used on humans.