siRNA Oligo Controls:
BioVision offers low price and high-quality positive and negative siRNA controls for human and mouse cells RNAi experiments. The siRNA positive control helps to ensure that the transfection, RNA extraction and detection methods are reliable. The siRNA Negative Control has no homologous sequence with the target gene and thus ensures the specificity of the knock-down experiment. Additionally, the Fluorescent dye-labeled siRNA Negative Control can be easily observed under fluorescent microscope to determine the transfection efficiency, and is helpful for optimizing transfection conditions.

Key Features:
- Offers a complete set of experimental controls, which can be used to optimize the RNAi experimental conditions in human and mouse cell lines.
- The effect of gene silencing can be identified flexibly by follow-up experiments such as quantitative PCR or western blot.
- Transfection efficiency can be monitored easily by fluorescence-labeled negative control

Custom Neg Control siRNA (Cat. No. M1256-1): A negative control should be 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.

Custom Pos Control siRNA (Cat. No. M1258-1): Positive control is very important for the inspection of an experimental system. In other words, when you see the expected results of siRNA positive control, you can ensure that your transfection, RNA extraction and detection methods are reliable. The available positive controls include LaminA/C, GFP274, Luciferase GL2, MAPK1, Beta-Actin, Vimentin, PS3, GAPDH and Cyclophilin B.

Fluorescent dye-labeled Neg Control siRNA (Cat. No. M1257-1): BioVision’s RNAi negative control has no homology with mammalian gene. After labeled by the fluorescent dye, the negative control can be easily observed under fluorescent microscope to get the transfection efficiency, and is helpful for optimizing transfection conditions. The fluorescence labeled control can be easily photographed, and has great pH tolerance and is stable in living cells.

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

Applications: siRNA Transfection

Format: Single-strand RNA oligos is delivered in dry form

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.

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.

Oligonucleotide Technical Data Sheet: Oligonucleotides are delivered with an Oligonucleotide Technical Data Sheet, which includes oligonucleotide name, sequence, concentration, size, purification method.

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<th>Product Name</th>
<th>Cat. No.</th>
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