

Labeled ss miRNA mimics Neg Control

(Cat# M1261-1; 1 OD; PAGE Purified; Store at -20°C)

I. Introduction:

BioVision offers **miRNA negative control** for miRNA experiments. The miRNA Negative Control has a random sequence with no homology to any known microRNA or mRNA sequences and thus ensures the specificity of the experiment. Additionally, the **Fluorescent dye-labeled miRNA Negative Control** can be easily observed under fluorescent microscope to determine the transfection efficiency, and is helpful for optimizing transfection conditions.

II. Specifications of miRNA Mimics:

- **Quality Control:** All our miRNA mimics 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
- **Format:** Dried form
- **Oligonucleotide Technical Data Sheet:** Oligonucleotides are delivered with an oligonucleotide technical data sheet, which includes oligonucleotide name, sequence, concentration, size, purification method

III. Applications: miRNA Transfection. miRNA Mimic is designed for use in miRNA experiments and cell cultures to intervene miRNA-mediated gene silencing. For this application, a miRNA Mimic is introduced into cells and the expression of the endogenous target of the corresponding miRNA, or of a reporter construct containing the predicted target miRNA binding site, is measured. Transfection with non-targeting miRNA mimics negative control is used as the baseline reference. Non-targeting miRNA mimics negative control should be used at the same concentration as experimental target miRNA mimics, because nucleic acid concentrations within cells can affect the activity and specificity of miRNAs.

IV. Storage and stability: Store at or <-20°C. Do not store in a frost-free freezer. Dried oligonucleotides are shipped at ambient temperature

V. Shipment: Shipped by express delivery, dry in individual, transparent tubes at ambient temperature

VI. Caution: Oligonucleotides are susceptible to degradation by exogenous ribonucleases introduced during handling. Wear gloves when handling this product. Use RNase-free reagents, tubes, and barrier pipette tips. For long-term storage, miRNA oligos should be dried

VII. Package Contents (Labeled ss miRNA mimics Neg Control):

Components	Quantity	Part Number
Labeled ss miRNA mimics Neg Control	Varies	M1261-1-1
Universal Buffer	Varies	M1261-XX-2

VIII. Related Products:

Product Name	Cat. No.	Quantity
ss miRNA mimics	M1259-2	2 OD
ss miRNA mimics	M1259-3	3 OD
ss miRNA mimics	M1259-4	4 OD
ss miRNA mimics	M1259-5	5 OD
ss miRNA mimics	M1259-6	6 OD
ss miRNA mimics	M1259-7	7 OD
ss miRNA mimics	M1259-8	8 OD
ss miRNA mimics	M1259-9	9 OD
ss miRNA mimics	M1259-10	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	2 OD
ds miRNA mimics	M1262-3	3 OD
ds miRNA mimics	M1262-4	4 OD
ds miRNA mimics	M1262-5	5 OD
ds miRNA mimics	M1262-6	6 OD
ds miRNA mimics	M1262-7	7 OD
ds miRNA mimics	M1262-8	8 OD
ds miRNA mimics	M1262-9	9 OD
ds miRNA mimics	M1262-10	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	2 OD
miRNA Inhibitor	M1265-3	3 OD
miRNA Inhibitor	M1265-4	4 OD
miRNA Inhibitor	M1265-5	5 OD
miRNA Inhibitor	M1265-6	6 OD
miRNA Inhibitor	M1265-7	7 OD
miRNA Inhibitor	M1265-8	8 OD
miRNA Inhibitor	M1265-9	9 OD
miRNA Inhibitor	M1265-10	10 OD
miRNA Inhibitor Neg Control	M1266-1	1 OD
Labeled miRNA Inhibitor Neg Control	M1267-1	1 OD

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