

ds miRNA mimics

(Cat# M1262-2 to M1262-10; 2 OD-10 OD; PAGE Purified; Store at -20°C)

I. Introduction:

BioVision offers miRNA mimics designed to specifically bind to and mimic endogenous mature microRNAs (miRNAs) for use in miRNA function research. Each microRNA mimics includes one strand that is identical to a known mature miRNA. The miRNA mimics can be delivered to mammalian cells by chemical transfection or electroporation. BioVision's miRNA are designed to directly enter the miRNA processing pathway and after processing, are treated identical to endogenous miRNA within the cell. The researcher can control specific miRNA activity, tightly regulate miRNA cellular levels and achieve optimal delivery efficiency with minimal cytotoxicity. BioVision also provides different lengths and forms of customer-defined miRNA. Additionally, BioVision can also provide the miRNA sequence from Sanger miRNA database based on the customer's need.

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

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

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 (ds miRNA mimics):

| Components | Quantity | Part Number |
|------------------|----------|-------------|
| ds miRNA mimics | Varies | M1262-XX-1 |
| Universal Buffer | Varies | M1262-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 |

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