

# AIR™ Ligase

## 产品特点:

- Truncation makes downstream assays more robust
- Efficiency of ligation nears 100%
- Increase ability to identify miRNAs

## 产品介绍:

Bioo Scientific's AIR™ Ligase was developed specifically for demanding Next-Generation RNA Sequencing applications. As can be seen in the figure below, AIR Ligase specifically ligates the adenylated 5' end of an adapter to the 3' end of RNA. The enzyme does not require ATP for ligation but does need an adenylated substrate, which dramatically reduces the amount of ligation between random RNA molecules. AIR Ligase is a truncated version of T4 RNA Ligase 2. Unlike the full length ligase, AIR Ligase does not ligate the phosphorylated 5' end of RNA or DNA without the adenylated substrate making it an excellent choice for small RNA library preparation. Whether you plan to sequence microRNAs or perform directional mRNA-Seq, AIR Ligase will enhance your library preparations.

| Catalog# | Product Name | Quantity    |
|----------|--------------|-------------|
| 512105   | AIR™ Ligase  | 5,000 units |