



## Plasmid Reconstitution Protocol

All OriGene plasmids are delivered as lyophilized plasmids and must be reconstituted before use. Read this short protocol or [watch this video](#) to learn more.

**Step 1, Spin:** Spin the tube at 10,000g for 2 min.

**Step 2, Add Sterile Water:** Carefully open the tube and add 100 ul dH<sub>2</sub>O to produce a concentration of 100 ng/ul.

Note: Dissolving the plasmid DNA in a lower volume is not recommended as an increased EDTA concentration may affect some downstream applications.

**Step 3, Incubate:** Close the tube and let it sit for 10 minutes at room temperature, or 4°C overnight.

**Step 4, Vortex:** Vortex the tube briefly and then do a quick spin to concentrate the liquid at the bottom.

### The DNA is ready for immediate use in:

- Transfection into mammalian cells
- Restriction enzyme digestion
- Protein expression in cell-free systems
- PCR amplification
- Probe labeling
- E. coli transformation for DNA amplification
- Sequencing reactions