

## **Protocol for Phosphorylation Modification**

Dilute the annealed product with another 9 volume of ddH<sub>2</sub>O. Make up a phosphorylation modification system as the following:

Double-stranded oligonucleotides (100nM): 6 $\mu$ L

T4 Polynucleotide Kinase: 2 $\mu$ L

10 $\times$ T4 DNA ligase buffer : 2 $\mu$ L

ddH<sub>2</sub>O: 10 $\mu$ L

Put the system at 37 °C for 30 minutes to complete the reaction.