

## DNA Polymerase I

### Product description

DNA Polymerase I, in the presence of template and primer (DNA or RNA), uses dNTP as a substrate to synthesize DNA complementary to the template in the 5'→3' direction. The molecular weight of this enzyme is about 109,000 Da, and it has double-strand-specific 5'→3' exonuclease activity and single-strand-specific 3'→5' exonuclease activity. This enzyme can be used with DNase I (Cat#10607) for nick translation reaction and with RNase H (Cat#12906) to synthesize the second strand of cDNA.

### Specifications

Cat.No.	12903ES60/12903ES76/12903ES92
Size	500 U/2,500 U/10,000U

### Components

Components No.	Name	12903ES60	12903ES76	12903ES92
12903-A	DNA polymerase I	50 µL	250 µL	1 mL
12903-B	10×DNA Polymerase I Reaction Buffer	1 mL	1×5 mL	4×5 mL

### Storage

This product should be stored at -25~-15°C for 2 years.

### Notes

1. This product is for research use only.
2. Please operate with lab coats and disposable gloves, for your safety.