

TelN Protelomerase (5 U/ μ L)

Product description

TelN Protelomerase is a recombinant expression from phage N15. It cuts double-stranded DNA (dsDNA) at TelN recognition sequences (56 bp), and generates covalently closed ends at the cleavage sites, which can be applied to enzymatic synthesis of DNA.

Specifications

Cat.No.	14540ES72 /14540ES80 / 14540ES90
Size	250U / 1000 U / 5000 U
Unit Definition	One unit is defined as the amount of enzyme that will convert 0.5 μ g of supercoiled plasmid containing telN recognition sites into closed linear dsDNA, in 20 μ L reaction system containing 1 X TelN Reaction Buffer at 30°C for 30 minutes.
Recognition Sites	TATCAGCACACAATTGCCATTATACGC ↓ GCGTATAATGGACTATTGTGTGCTGATA ATAGTCGTGTGTTAACGGGTAATATGCG ↑ CGCATATTACCTGATAACACACGACTAT
Heat Inactivation	75°C for 5 min

Components

Components No.	Name	14540ES72	14540ES80	14540ES90
14540-A	TelN Protelomerase (5 U/ μ L)	50 μ L	200 μ L	1 mL
14540-B	10 X TelN Reaction Buffer	250 μ L	1 mL	5 X 1 mL

Storage

This product should be stored at -25~-15°C for 1 years.

Instructions

1. Reaction system preparation

Components	Volume (μ L)
dsDNA (< 300 fmol of TelN sites)	X
10 X TelN Reaction Buffer	2
TelN Protelomerase (5 U/ μ L)	1
Nuclease-free water	To 20

2. Reaction condition: 30°C for 30 min after mixing well.

3. Heat inactivation: 75°C for 5 min.

Notes

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