ExCell Bio

T4 Polynucleotide Kinase

User Manual

Catalog Number	MB000-5401
	MB000-5402
	MB000-5403
	MB000-5404



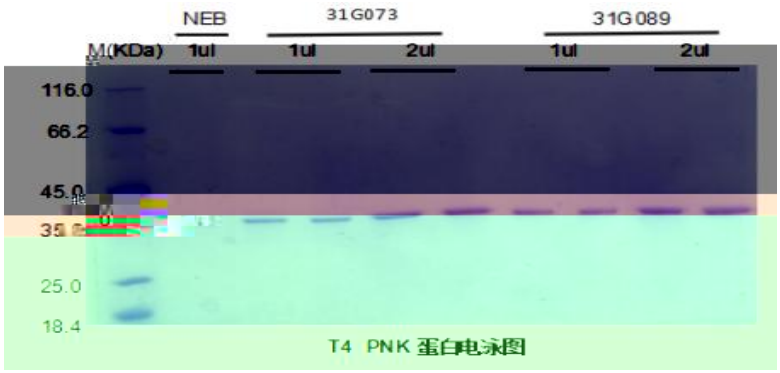
ATP DNA 5' 3'

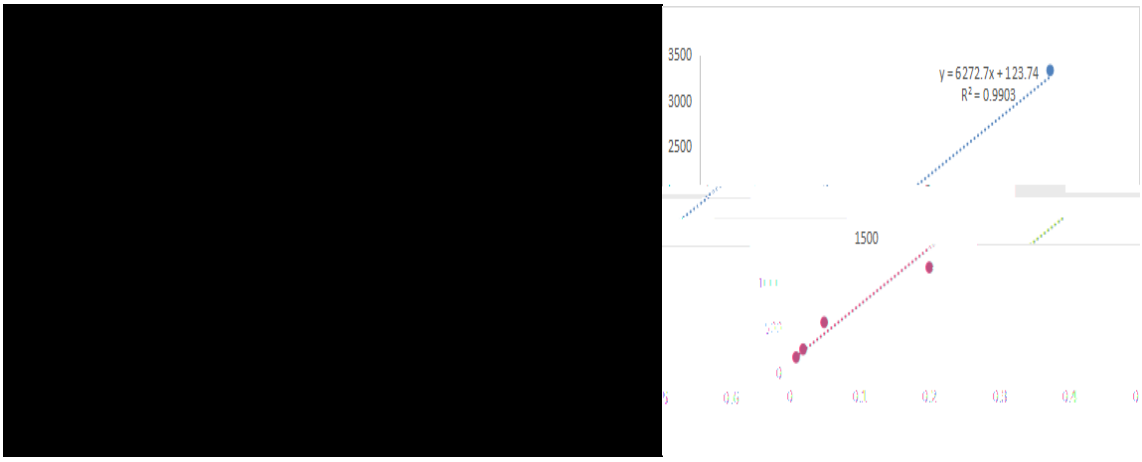
DNA 3'

T4 Polynucleotide Kinase , E.coli

37.14KDa ,N 10 His

	10 mM Tris-HCl(pH7.4 @ 25°C), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 0.1μMATP, 50%Glycerol.
10x	700 mM Tris-HCl(pH7.6 @ 25°C), 100 mM MgCl2, 50 mM DTT.
	SDS-PAGE 98% 200 U 37°C 4 10% RFI ▫ E





T4 Pnk 0.01-0.5 U

DNA RNA 5'

5'

3'

1	MB000-5401	250 U
2	MB000-5402	500 U

3	MB000-5403	2,500 U
4	MB000-5404	10,000 U

		T4 Polynucleotide Kinase	10×T4 Pnk Reaction Buffer
MB000-5401	250 U	1	0.5 mlx1
MB000-5402	500 U	1	0.5 mlx1
MB000-5403	2,500 U	1	1.0 mlx1

T4 Polynucleotide Kinase 10 U/	1
ATP 10 mM	1
10x T4 Pnk Reaction Buffer	1
DNA	5-10pmol
ddH_2O	up to 10

37 30 70 10

1.7mM 0.15M 50% 7mM 75%

2. Mg2+ SH DTT DTT

3. T4 DNA Ligase T4 Pnk ,37 30

4. 5 T4 Pnk DNA 70 5
5% W/V PEG-6000

5. 65 20 70 10