

FT-FZ5561

Poly A Polymerase

E. coli derived polymerase, polyadenylating 3' termini of RNA

Product Description

Name :	Poly A Polymerase
	<i>Escherichia coli</i>
Catalog Number :	FZ5561, 100 U FZ5562, 500 U
Concentration :	1 Unit/ μ l

Storage: -20°C

Application

- Adds poly A tails to the 3'-hydroxyl terminus of RNA (1)
- Labels 3'-ends of RNA with a [α - ^{32}P] cordycepin triphosphate (2)
- Ideal for determining molar concentration of polyadenylated RNA (3)

Unit Definition

One unit is the amount of enzyme required to incorporate 1.0 nmol of labeled ATP into acid insoluble form for 10 minutes at 37°C under the stated assay conditions

Storage Buffer

25mM Tris-HCl (pH 7.9)
0.1mM DTT
0.01% (v/v) Triton X-100TM
1.0 mM EDTA
0.5M NaCl
50% (v/v) glycerol

Assay Conditions

50 mM Tris-HCl (pH 7.9)
10 mM MgCl_2
2.5 mM MnCl_2
250 mM NaCl
25 μg tRNA
0.1 mM [α - ^{32}P] ATP
50 μg bovine serum albumin
Reaction volume of 100 μl

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Technical and Scientific Information

References

- (1) *Sippel, A.E. (1973) Eur. J. Biochem. 37, 31-40*
- (2) *Beltz, W.R. and Ashton, S.H. (1982) Fed. Proc. 41, 1450, Abstract 68996*
- (3) *Krug, M.S., and Berger, S.L. (1986) Anal. Biochem. 153, 315-323*

Related / associated products and documents

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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