

We offer various packaging (protein concentration, activity, etc.) if necessary.

## Data sheet

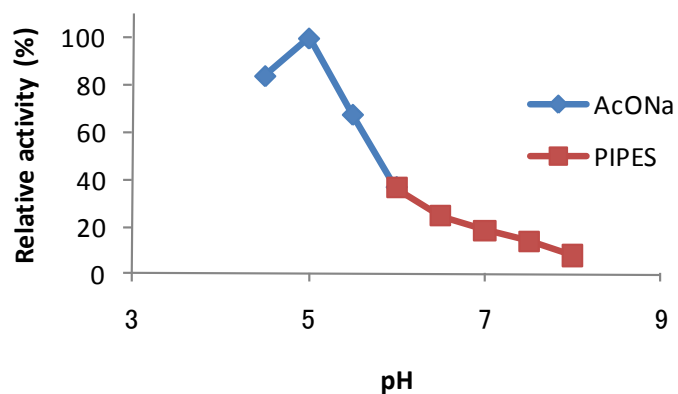
Enzyme	;	<b>Adenylate kinase</b>
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Code	;	ADK-75-01
Lot #	;	1-I101
Protein conc. ;		mg/ml
Volume	;	ml
Form	;	20 mM Tris-HCl (pH 8.0)
Storage	;	-20°C
Activity	;	U/ml (@50°C, pH 5.0)
Notes	;	For research use only.

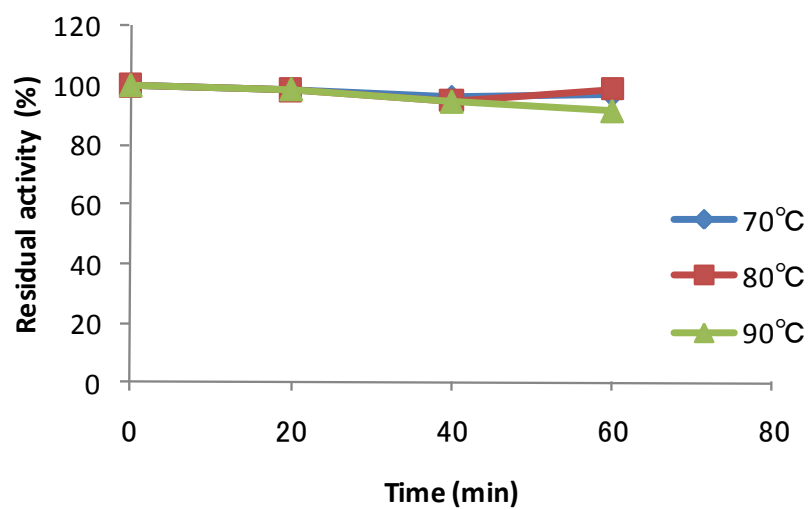
#### ●Activity measurement

Reaction mix (50 mM Sodium acetate buffer (pH 5.0), 0.85 U/ml Phosphoglycerate kinase, 0.2 U/ml Glyceraldehyde-3-phosphate dehydrogenase, 0.3 mM NADH, 10 mM MgCl<sub>2</sub>, 1 mM 3-Phosphoglycerate, 10 mM ADP and appropriate amount of the enzyme) was incubated at 50 °C and A<sub>340</sub> was monitored. One unit is defined as the amount of the enzyme producing 1 μmol of ATP (using  $\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$  for NADH) per 1 minute using ADP as a substrate.

#### ◆ Optimum pH



◆ Thermostability



◆ Kinetic parameters

$K_m$  for ADP = 0.13 mM (@50°C, pH 7.0)