

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

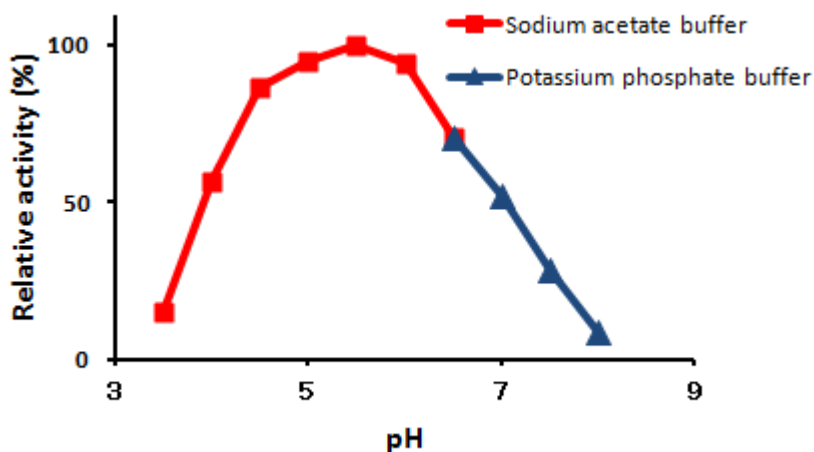
Data sheet

Enzyme	;	KDG aldolase
Code	;	KAL-73-01
Lot #	;	1-I001
Protein conc.	;	mg/ml
Volume	;	ml
Form	;	20 mM Tris-HCl (pH 8.0)
Storage	;	-20°C
Activity	;	unit/ml
Notes	;	For research use only.

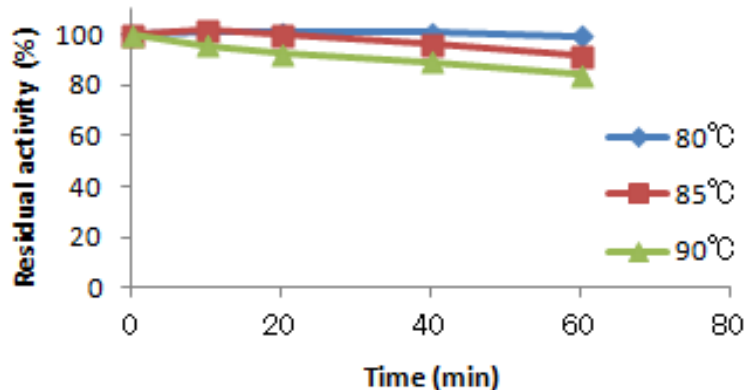
● **Activity measurement :**

Reaction mix (50 mM Sodium acetate buffer (pH 5.5), 10 mM Glyceraldehyde, 1 mM Pyruvate and appropriate amount of the enzyme) was incubated at 50 °C for 30 minutes and mixed with 1/10 volume of 10 % Trichloroacetic acid. After the centrifugation at 12,000 rpm for 10 minutes, 50 µl of the supernatant was added to 125 µl of 25 mM NaIO₄/250 mM H₂SO₄ and incubated for 20 minutes at room temperature. Then 250 µl of 2 % Sodium arsenate/0.5 M HCl was added to the mixture. After the addition of 1 ml of 0.3 % Thiobarbituric acid, the mixture was incubated at 100 °C for 10 minutes. Then the solution was mixed with 0.5 ml of DMSO and A₅₄₉ was monitored. One unit is defined as the amount of the enzyme producing 1 µmol of 2-Keto-3-deoxygluconate ($\epsilon_{549}=67.8 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using Glyceraldehyde as a substrate.

◆ Optimum pH



◆ Thermostability



◆ Temperature profile

