

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

Data sheet

Enzyme	: Xylulokinase A
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Code ; XYK-35-01

Lot No. ; 1-S101

Protein conc. ; mg/ml

Volume ; ml

Form ; 20 mM Tris-HCl (pH 8.0)

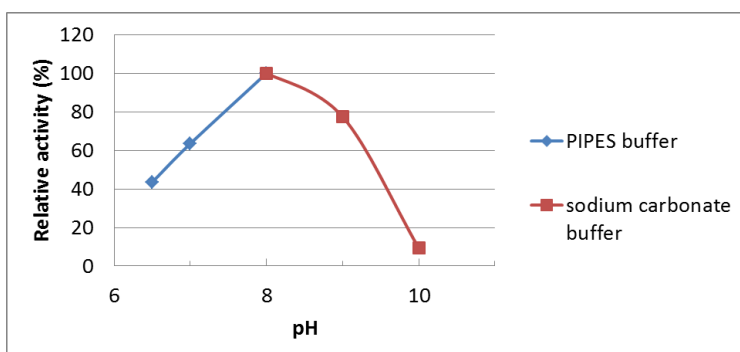
Storage ; -20 °C *Avoid freeze and thaw.

Activity ; U/ml

Notes ; For research use only

Activity measurement

Reaction mix (50 mM PIPES-KOH (pH 8.0), 1.33 mM D-Xylulose, 2 mM ATP, 2 mM Phosphoenolpyruvate, 3 mM Glutathione (reduced), 20 U/ml Lactate dehydrogenase, 20 U/ml Pyruvate kinase, 0.2 mM NADH, 2.5 mM MgCl₂ and appropriate amount of the enzyme) was incubated at 60 °C and A₃₄₀ was monitored. One unit is defined as the amount of the enzyme oxidizing 1 μmol of NADH ($\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using D-Xylulose as a substrate.

pH profileTemperature profile