

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

Data sheet

Enzyme	: Phosphofructokinase YK1
--------	----------------------------------

Code ; PFK-97-01

Lot No. ; 1-H101A

Protein conc. ; mg/ml

Volume ; ml

Form ; 20 mM Tris-HCl (pH 7.5), 20 mM KCl

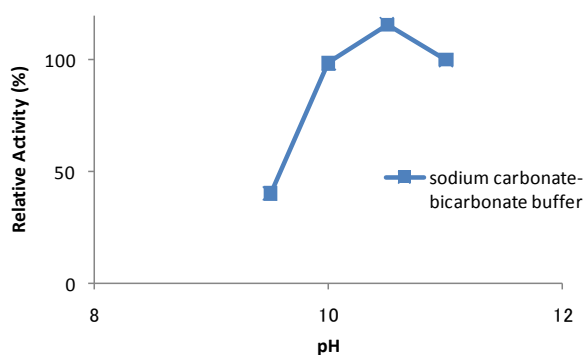
Storage ; -20 °C

Activity ; U/ml (at 50 °C, pH 7.0)

Notes ; For research use only.

Activity measurement

Reaction mix (20 mM Potassium phosphate buffer (pH 7.0), 5 mM Fructose 6-phosphate, 0.3 mM NADH, 5 mM $MgCl_2$, 5 mM ATP, 4 U/ml Fructose biphosphate aldolase, 10 U/ml Triosephosphate isomerase, 4 U/ml Glycerol 3-phosphate dehydrogenase and appropriate amount of the enzyme) was incubated at 50 °C and A_{340} was monitored. One unit is defined as the amount of enzyme oxidizing 1 μ mol of NADH ($\epsilon_{340}=6.22 \text{ mM}^{-1} \text{ cm}^{-1}$) per 1 minute using fructose 6-phosphate as a substrate.

pH profileThermostability