

Pyruvate Kinase from Microorganism

Cat. No. NATE-1720

Lot. No. (See product label)

Introduction

Description	Pyruvate kinase is an enzyme involved in glycolysis. It catalyzes the transfer of a phosphate group from
	phosphoenolpyruvate (PEP) to ADP, yielding one molecule of pyruvate and one molecule of ATP.

SynonymsEC 2.7.1.40; 9001-59-6; phosphoenolpyruvate kinase; phosphoenol transphosphorylase; pyruvate kinase
(phosphorylating); fluorokinase; fluorokinase (phosphorylating); pyruvic kinase; pyruvate
phosphotransferase; ATP:pyruvate 2-O-phosphotransferase

Product Information

Source	Microorganism
Form	White powder, lyophilized
EC Number	EC 2.7.1.40
CAS No.	9001-59-6
Molecular Weight	68 kDa (SDS-PAGE)
Activity	>200U/mg protein
lsoelectric point	5.2
pH Stability	5.0~10.0 (37°C, 20hr)
Optimum pH	7.5
Thermal stability	< 60°C (pH 8.5, 20min)
Optimum temperature	65°C
Michaelis Constant	1.1mM (ADP) 2.2mM(PEP)
Inhibitors	Ag+, Hg2+, Co2+, Fe3+
Unit Definition	One unit will convert one micromole of phosphoenolpyruvate to pyruvate per min at pH 7.2 at 30°C.
Notes	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.

Storage and Shipping Information

Storage Store at -20°C.