Creative Enzymes®

Native Rabbit Phosphorylase Kinase

Cat. No. NATE-0559

Lot. No. (See product label)

Introduction

Description	Phosphorylase kinase (PhK) is a serine/threonine-specific protein kinase which activates glycogen phosphorylase to release glucose-1-phosphate from glycogen. PhK phosphorylates glycogen phosphorylase at two serine residues, triggering a conformational shift which favors the more active glycogen phosphorylase “a” form over the less active glycogen phosphorylase b.
Applications	Phosphorylase kinase from rabbit muscle has been used in a study to assess features of glycogen phosphorylase. It has also been used in a study to investigate the activation of different forms of muscle phosphorylase kinase by actin.
Synonyms	Phosphorylase Kinase; dephosphophosphorylase kinase; glycogen phosphorylase kinase; PHK; phosphorylase b kinase; phosphorylase B kinase; phosphorylase kinase (phosphorylating); STK17; EC 2.7.11.19; EC 2.7.1.38; 9001-88-1

Product Information

Species	Rabbit
Source	Rabbit muscle
Form	Lyophilized powder containing (NH4)2SO4, sucrose, β-glycerophosphate and dithioerythritol
EC Number	EC 2.7.1.38
CAS No.	9001-88-1
Activity	> 60 units/mg protein
Unit Definition	One unit will form 1.0 μmolar unit of phosphorylase a from phosphorylase b per min at pH 7.7 at 30°C in the presence of ATP.

Storage and Shipping Information

Storage	−20°C