phosphorylase kinase

Cat. No. EXWM-3138

Lot. No. (See product label)

Introduction

Description	Requires Ca2+ and calmodulin for activity. The enzyme phosphorylates a specific serine residue in each of the subunits of the dimeric phosphorylase b. For muscle phosphorylase but not liver phosphorylase, this is accompaniedby a further dimerization to form a tetrameric phosphorylase. The enzyme couples muscle contraction with energy production via glycogenolysis-glycolysis by catalysing the Ca2+-dependent phosphorylation and activation of glycogen phosphorylase b. The γ subunit of the tetramericenzyme is the catalytic subunit.
Synonyms	dephosphophosphorylase kinase; glycogen phosphorylase kinase; PHK; phosphorylase b kinase; phosphorylase B kinase; phosphorylase kinase (phosphorylating); STK17

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.19
CAS No.	9001-88-1
Reaction	2 ATP + phosphorylase b = 2 ADP + phosphorylase a
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.