Creative Enzymes®

cAMP-dependent protein kinase

Cat. No. EXWM-3130

Lot. No. (See product label)

Introduction

Description	cAMP is required to activate this enzyme. The inactive holoenzyme of cAMP-dependent protein kinase is a tetramer composed of two regulatory (R) and two catalytic (C) subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP molecules and two free monomeric catalytic subunits [i.e. R2C2 + 4 cAMP = R2(cAMP)4 + 2 C].
Synonyms	PKA; PKA C; protein kinase A; STK22

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.11
CAS No.	142008-29-5
Reaction	ATP + a protein = ADP + a phosphoprotein
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 ℃.