

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. $R_2C_2 + 4 \text{ cAMP} = R_2(\text{cAMP})_4 + 2 \text{ C}$].

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 $\text{ATP} + \text{a protein} = \text{ADP} + \text{a phosphoprotein}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.