Creative Enzymes®

cAMP-dependent Protein Kinase catalytic subunit from Murine, Recombinant

Cat. No. NATE-1888

Lot. No. (See product label)

Introduction

Description	The catalytic subunit of cAMP-dependent Protein Kinase (PKA) is a serine/threonine protein kinase, which combines, in the absence of cAMP, with the regulatory subunit to form the inactive PKA holoenzyme. Since this is the free catalytic subunit alone, no cAMP is required for activation.
Synonyms	Protein Kinase A catalytic subunit; Protein kinase A; PKA; PKAC; cAMP-dependent protein kinase catalytic subunit; PRKAC

Product Information

Species	Murine
Source	E. coli
Form	50 mM NaCl, 20 mM Tris-HCl (pH 7.5 at 25°C), 1 mM Na2 EDTA, 2 mM DTT and 50% glycerol.
EC Number	EC 2.7.11.11
Molecular Weight	38 kDa
Specific Activity	5,000,000 units/mg
Concentration	2,500,000 units/ml
Unit Definition	One unit is defined as the amount of PKA catalytic subunit required to catalyze the transfer of 1 pmol of phosphate to Kemptide, LRRASLG (100 µM) in 1 minute at 30°C in a total reaction volume of 25µL.

Storage and Shipping Information

Storage	Store at -20° C