Creative Enzymes®

Native Rat Calmodulin-dependent Protein Kinase II

Cat. No. NATE-0099

Lot. No. (See product label)

Introduction

Description	Serine-threonine protein kinase:these kinases appear to be involved in neurotransmitter release, control of stimulus-induced gene expression, and in the phosphorylation of microtubule related proteins.
Synonyms	Calmodulin-dependent Protein Kinase II; 9026-43-1

Product Information

Species	Rat
Source	Rat brain
Form	buffered aqueous glycerol solution
CAS No.	9026-43-1
Activity	800-1,100 units/mg protein (Lowry)
Buffer	Solution in 50% glycerol containing 25 mM Tris-HCl, pH 7.5, 0.5 mM EDTA, 10 mM 2-mercaptoethanol, 10 μM 4-2-aminoethylbenzenesulfonyl fluoride, 0.01% leupeptin
Unit Definition	One unit will transfer 1.0 nanomole of phosphate from ATP to synapsin I per min at pH 7.0 at 30°C. The peptide corresponds to the γ-2L subunit of the GABAA receptor.

Storage and Shipping Information

Stability	−70°C