

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 μ M 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