

Ca²⁺/calmodulin-dependent protein kinase

Cat. No. EXWM-3136

Lot. No. (See product label)

Introduction

Description

Requires calmodulin and Ca²⁺ for activity. A wide range of proteins can act as acceptor, including vimentin, synapsin, glycogen synthase, myosin light chains and the microtubule-associated tau protein. Not identical with EC 2.7.11.18 (myosin-light-chain kinase) or EC 2.7.11.26 (tau-protein kinase).

Synonyms

ATP:caldesmon O-phosphotransferase; caldesmon kinase; caldesmon kinase (phosphorylating); Ca²⁺/calmodulin-dependent microtubule-associated protein 2 kinase; Ca²⁺/calmodulin-dependent protein kinase 1; Ca²⁺/calmodulin-dependent protein kinase II; Ca²⁺/calmodulin-dependent protein kinase IV; Ca²⁺/calmodulin-dependent protein kinase kinase; Ca²⁺/calmodulin-dependent protein kinase kinase β ; calmodulin-dependent kinase II; CaM kinase; CaM kinase II; CAM PKII; CaM-regulated serine/threonine kinase; CaMKI; CaMKII; CaMKIV; CaMKK α ; CaMKK β ; microtubule-associated protein 2 kinase; STK20

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.11.17

CAS No.

141467-21-2

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