Creative Enzymes®

myosin-light-chain kinase

Cat. No. EXWM-3137

Lot. No. (See product label)

Introduction

Description	Requires Ca2+ and calmodulin for activity. The 20-kDa light chain from smooth muscle myosin is phosphorylated more rapidly than any other acceptor, but light chains from other myosins and myosin itself can act as acceptors, but more slowly.
Synonyms	[myosin-light-chain] kinase; ATP:myosin-light-chain O-phosphotransferase; calcium/calmodulin-dependent myosin light chain kinase; MLCK; MLCKase; myosin kinase; myosin light chain kinase; myosin light chain protein kinase; myosin light-chain kinase (phosphorylating); smooth-muscle-myosin-light-chain kinase; STK18

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.18
CAS No.	51845-53-5
Reaction	ATP + [myosin light chain] = ADP + [myosin light chain] phosphate
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.