

## myosin-light-chain kinase

Cat. No. EXWM-3137

Lot. No. (See product label)

### Introduction

#### Description

Requires Ca<sup>2+</sup> 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.