

## 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.