Creative Enzymes®

myosin-heavy-chain kinase

Cat. No. EXWM-3158

Lot. No. (See product label)

Introduction

Description	The enzyme from Dictyostelium sp. (slime moulds) brings about phosphorylation of the heavy chains of Dictyostelium myosin, inhibiting the actin-activated ATPase activity of the myosin. One threonine residue in each heavy chain acts as acceptor. While the enzyme from some species is activated by actin, in other cases Ca2+/calmodulin are required for activity.
Synonyms	ATP:myosin-heavy-chain O-phosphotransferase; calmodulin-dependent myosin heavy chain kinase; MHCK; MIHC kinase; myosin heavy chain kinase; myosin I heavy-chain kinase; myosin II heavy-chain kinase; [myosin-heavy-chain] kinase; myosin heavy chain kinase A; STK6

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.7
CAS No.	64763-54-8
Reaction	ATP + [myosin heavy-chain] = ADP + [myosin heavy-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 ℃.