Creative Enzymes®

molybdopterin-synthase adenylyltransferase

Cat. No. EXWM-3293

Lot. No. (See product label)

Introduction

Description	Adenylates the C-terminus of the small subunit of the molybdopterin synthase. This activation is required to form the thiocarboxylated C-terminus of the active molybdopterin synthase small subunit. The reaction occurs in prokaryotes and eukaryotes. In the human, the reaction is catalysed by the N-terminal domain of the protein MOCS3, which also includes a molybdopterin-synthase sulfurtransferase (EC 2.8.1.11) C-terminal domain.
Synonyms	MoeB; adenylyltransferase and sulfurtransferase MOCS3

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.80
Reaction	ATP + [molybdopterin-synthase sulfur-carrier protein]-Gly-Gly = diphosphate + [molybdopterin-synthase sulfur-carrier protein]-Gly-Gly-AMP
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 ℃.