

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 $\text{ATP} + [\text{molybdopterin-synthase sulfur-carrier protein}]\text{-Gly-Gly} = \text{diphosphate} + [\text{molybdopterin-synthase sulfur-carrier protein}]\text{-Gly-Gly-AMP}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.