

cyclic pyranopterin monophosphate synthase

Cat. No. EXWM-5354

Lot. No. (See product label)

Introduction

Description

The enzyme catalyses an early step in the biosynthesis of the molybdenum cofactor (MoCo). In bacteria and plants the reaction is catalysed by MoaC and Cnx3, respectively. In mammals the reaction is catalysed by the MOCS1B domain of the bifunctional MOCS1 protein, which also catalyses EC 4.1.99.22, GTP 3',8-cyclase.

Synonyms

MOCS1B (gene name); moaC (gene name); cnx3 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.6.1.17

Reaction

(8S)-3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate = cyclic pyranopterin phosphate + diphosphate

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.