Creative Enzymes®

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 bifuctional 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.