Creative Enzymes®

[methyl-Co(III) methanol-specific corrinoid protein]:coenzyme M methyltransferase

Cat. No. EXWM-1849

Lot. No. (See product label)

Introduction

Description	The enzyme, which is involved in methanogenesis from methanol, catalyses the transfer of a methyl group from a corrinoid protein (see EC 2.1.1.90, methanol-corrinoid protein Co-methyltransferase), where it is bound to the cobalt cofactor, to coenzyme M, forming the substrate for EC 2.8.4.1, coenzyme-B sulfoethylthiotransferase, the enzyme that catalyses the final step in methanogenesis. Free methylcob(I)alamin can substitute for the corrinoid protein in vitro.
Synonyms	methyltransferase 2 (ambiguous); mtaA (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.246
Reaction	a [methyl-Co(III) methanol-specific corrinoid protein] + coenzyme M = methyl-CoM + a [Co(I) methanol-specific corrinoid protein]
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 ℃.