Creative Enzymes®

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

Cat. No. EXWM-1850

Lot. No. (See product label)

Introduction

Description	Contains zinc. The enzyme, which is involved in methanogenesis from mono-, di-, and trimethylamine, catalyses the transfer of a methyl group bound to the cobalt cofactor of several corrinoid proteins (mono-, di-, and trimethylamine-specific corrinoid proteins, cf. EC 2.1.1.248, methylamine-corrinoid protein Co-methyltransferase, EC 2.1.1.249, dimethylamine-corrinoid protein Co-methyltransferase, and EC 2.1.1.250, trimethylamine-corrinoid protein Co-methyltransferase) to coenzyme M, forming the substrate for EC 2.8.4.1, coenzyme-B sulfoethylthiotransferase, the enzyme that catalyses the final step in methanogenesis.
Synonyms	methyltransferase 2 (ambiguous); MT2 (ambiguous); MT2-A; mtbA (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.247
Reaction	a [methyl-Co(III) methylamine-specific corrinoid protein] + coenzyme M = methyl-CoM + a [Co(I) methylamine-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 ℃.