

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

Cat. No. EXWM-1857

Lot. No. (See product label)

Introduction

Description

The enzyme, which is involved in methanogenesis from tetramethylammonium, catalyses the transfer of a methyl group from a corrinoid protein (see EC 2.1.1.252, tetramethylammonium-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.

Synonyms

methyltransferase 2 (ambiguous); mtqA (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.1.253

Reaction

a [methyl-Co(III) tetramethylammonium-specific corrinoid protein] + coenzyme M = methyl-CoM + a [Co(I) tetramethylammonium-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 °C for short term. For long term storage, store it at -20 °C~-80 °C.