

5-methyltetrahydrofolate:corrinoid/iron-sulfur protein Co-methyltransferase

Cat. No. EXWM-1862

Lot. No. (See product label)

Introduction

Description

Catalyses the transfer of a methyl group from the N5 group of methyltetrahydrofolate to the 5-methoxybenzimidazolylcobamide cofactor of a corrinoid/Fe-S protein. Involved, together with EC 1.2.7.4, carbon-monoxide dehydrogenase (ferredoxin) and EC 2.3.1.169, CO-methylating acetyl-CoA synthase, in the reductive acetyl coenzyme A (Wood-Ljungdahl) pathway of autotrophic carbon fixation in various bacteria and archaea.

Synonyms

acsE (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.1.258

Reaction

a [methyl-Co(III) corrinoid Fe-S protein] + tetrahydrofolate = a [Co(I) corrinoid Fe-S protein] + 5-methyltetrahydrofolate

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.