Creative Enzymes®

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