

## 5-methyltetrahydrosarcinapterin:corrinoid/iron-sulfur protein Co-methyltransferase

Cat. No. EXWM-1848

Lot. No. (See product label)

### Introduction

**Description** Catalyses the transfer of a methyl group from the cobamide cofactor of a corrinoid/Fe-S protein to the N5 group of tetrahydrosarcinapterin. Forms, together with EC 1.2.7.4, carbon-monoxide dehydrogenase (ferredoxin) and EC 2.3.1.169, CO-methylating acetyl-CoA synthase, the acetyl-CoA decarbonylase/synthase complex that catalyses the demethylation of acetyl-CoA in a reaction that also forms CO<sub>2</sub>. This reaction is a key step in methanogenesis from acetate.

**Synonyms** cdhD (gene name); cdhE (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.1.1.245

**Reaction** a [methyl-Co(III) corrinoid Fe-S protein] + tetrahydrosarcinapterin = a [Co(I) corrinoid Fe-S protein] + 5-methyltetrahydrosarcinapterin

**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.