

## precorrin-6B C5,15-methyltransferase (decarboxylating)

Cat. No. EXWM-1730

Lot. No. (See product label)

### Introduction

**Description** The enzyme, which participates in the aerobic adenosylcobalamin biosynthesis pathway, has S-adenosyl-L-methionine-dependent methyltransferase and decarboxylase activities. The enzyme is a fusion protein with two active sites; one catalyses the methylation at C15 and the decarboxylation, while the other catalyses the methylation at C5.

**Synonyms** precorrin-6 methyltransferase; precorrin-6Y methylase; precorrin-6Y C5,15-methyltransferase (decarboxylating); cobL (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.1.1.132

**CAS No.** 162995-22-4

**Reaction** 2 S-adenosyl-L-methionine + precorrin-6B = 2 S-adenosyl-L-homocysteine + precorrin-8X + CO<sub>2</sub> (overall reaction); (1a) S-adenosyl-L-methionine + precorrin-6B = S-adenosyl-L-homocysteine + precorrin-7 + CO<sub>2</sub>; (1b) S-adenosyl-L-methionine + precorrin-7 = S-adenosyl-L-homocysteine + precorrin-8X

**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.