

## cobalt-precorrin 5A hydrolase

Cat. No. EXWM-4721

Lot. No. (See product label)

### Introduction

**Description** This enzyme hydrolyses the ring A acetate  $\Delta$ -lactone of cobalt-precorrin-5A resulting in the loss of the C-20 carbon and its attached methyl group in the form of acetaldehyde. This is a key reaction in the contraction of the porphyrin-type tetrapyrrole ring and its conversion to a corrin ring in the anaerobic (early cobalt insertion) adenosylcobalamin biosynthesis pathway.

**Synonyms** CbiG (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.7.1.12

**Reaction** cobalt-precorrin-5A + H<sub>2</sub>O = cobalt-precorrin-5B + acetaldehyde + 2 H<sup>+</sup>

**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.