

## carboxynorspermidine decarboxylase

Cat. No. EXWM-4846

Lot. No. (See product label)

### Introduction

**Description** A pyridoxal 5'-phosphate enzyme. Part of a bacterial polyamine biosynthesis pathway. The enzyme is essential for biofilm formation in the bacterium *Vibrio cholerae*. The enzyme from *Campylobacter jejuni* only produces spermidine in vivo even though it shows activity with carboxynorspermidine in vitro.

**Synonyms** carboxyspermidine decarboxylase; CANSDC; VC1623 (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.1.1.96

**Reaction** (1) carboxynorspermidine = bis(3-aminopropyl)amine + CO<sub>2</sub>; (2) carboxyspermidine = spermidine + CO<sub>2</sub>

**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.