Creative Enzymes®

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 + CO2; (2) carboxyspermidine = spermidine + CO2
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 ℃.