Creative Enzymes®

dimethylglycine N-methyltransferase

Cat. No. EXWM-1758

Lot. No. (See product label)

Introduction

Description	This enzyme, from the marine cyanobacterium Synechococcus sp. WH8102, differs from EC 2.1.1.157, sarcosine/dimethylglycine N-methyltransferase in that it cannot use sarcosine as an alternative substrate. Betaine is a 'compatible solute' that enables cyanobacteria to cope with osmotic stress by maintaining a positive cellular turgor.
Synonyms	BsmB; DMT

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.161
Reaction	S-adenosyl-L-methionine + N,N-dimethylglycine = S-adenosyl-L-homocysteine + betaine
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 ℃.