Creative Enzymes®

N4-bis(aminopropyl)spermidine synthase

Cat. No. EXWM-2744

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the thermophilic archaeon Thermococcus kodakarensis, synthesizes the branched-chain polyamine N4-bis(aminopropyl)spermidine, which is required for cell growth at high-temperature. When spermine is used as substrate, the enzyme forms N4-aminopropylspermine.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.128
Reaction	2 S-adenosyl 3-(methylthio)propylamine + spermidine = 2 S-methyl-5'-thioadenosine + N4-bis(aminopropyl)spermidine (overall reaction); (1a) S-adenosyl 3-(methylthio)propylamine + spermidine = S-methyl-5'-thioadenosine + N4-aminopropylspermidine; (1b) S-adenosyl 3-(methylthio)propylamine + N4-aminopropylspermidine = S-methyl-5'-thioadenosine + N4-bis(aminopropyl)spermidine
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 ℃.