Creative Enzymes®

caldopentamine synthase

Cat. No. EXWM-2743

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the thermophilic archaeon Hyperthermus butylicus, can also synthesize norspermine from norspermidine and thermospermine from spermidine (with lower activity). The long-chain polyamines stabilize double-stranded DNA at high temperatures. In contrast to EC 2.5.1.23, sym-norspermidine synthase and EC 2.5.1.126, norspermine synthase, this enzyme shows no activity with propane-1,3-diamine.
Synonyms	long-chain polyamine synthase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.127
Reaction	S-adenosyl 3-(methylthio)propylamine + norspermine = S-methyl-5'-thioadenosine + caldopentamine
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 ℃.