

## 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.