Creative Enzymes®

spermidine synthase

Cat. No. EXWM-2752

Lot. No. (See product label)

Introduction

Description	The enzymes from the plant Glycine max and from mammalia are highly specific for putrescine as the amine acceptor. The enzymes from the bacteria Escherichia coli and Thermotoga maritima prefer putrescine but are more tolerant towards other amine acceptors, such as spermidine and cadaverine. cf. EC 2.5.1.22 (spermine synthase) and EC 2.5.1.23 (sym-norspermidine synthase).
Synonyms	aminopropyltransferase; putrescine aminopropyltransferase; spermidine synthetase; SpeE; S-adenosylmethioninamine:putrescine 3-aminopropyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.16
CAS No.	37277-82-0
Reaction	S-adenosyl 3-(methylthio)propylamine + putrescine = S-methyl-5'-thioadenosine + 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 ℃.