

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