

## glutathionylspermidine synthase

Cat. No. EXWM-5728

Lot. No. (See product label)

### Introduction

#### Description

Requires magnesium ions. Involved in the synthesis of trypanothione in trypanosomatids. The enzyme from Escherichia coli is bifunctional and also catalyses the glutathionylspermidine amidase (EC 3.5.1.78) reaction, resulting in a net hydrolysis of ATP.

#### Synonyms

glutathione:spermidine ligase (ADP-forming)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 6.3.1.8

#### CAS No.

9077-09-2

#### Reaction

glutathione + spermidine + ATP = glutathionylspermidine + ADP + phosphate

#### 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.