Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.