Creative Enzymes®

UDP-N-acetylmuramate-L-alanine ligase

Cat. No. EXWM-5771

Lot. No. (See product label)

Introduction

Description	Involved in the synthesis of a cell-wall peptide in bacteria.
Synonyms	MurC synthetase; UDP-N-acetylmuramoyl-L-alanine synthetase; uridine diphospho-N-acetylmuramoylalanine synthetase; UDP-N-acetylmuramoylalanine synthetase; L-alanine-adding enzyme; UDP-acetylmuramyl-L-alanine synthetase; UDPMurNAc-L-alanine synthetase; L-Ala ligase; uridine diphosphate N-acetylmuramate:L-alanine ligase; uridine 5'-diphosphate-N-acetylmuramyl-L-alanine synthetase; uridine-diphosphate-N-acetylmuramate:L-alanine ligase; UDP-MurNAc:L-alanine ligase; alanine-adding enzyme; UDP-N-acetylmuramyl:L-alanine ligase; UDP-N-acetylmuramate:L-alanine ligase (ADP-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.2.8
CAS No.	9023-52-3
Reaction	ATP + UDP-N-acetyl-α-D-muramate + L-alanine = ADP + phosphate + UDP-N-acetyl-α-D-muramoyl-L-alanine
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 ℃.