

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

$\text{ATP} + \text{UDP-N-acetyl-}\alpha\text{-D-muramate} + \text{L-alanine} = \text{ADP} + \text{phosphate} + \text{UDP-N-acetyl-}\alpha\text{-D-muramoyl-L-alanine}$

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