

UDP-N-acetylmuramoyl-L-alanine-D-glutamate ligase

Cat. No. EXWM-5772

Lot. No. (See product label)

Introduction

Description

Involved in the synthesis of a cell-wall peptide in bacteria.

Synonyms

MurD synthetase; UDP-N-acetylmuramoyl-L-alanyl-D-glutamate synthetase; uridine diphospho-N-acetylmuramoylalanyl-D-glutamate synthetase; D-glutamate-adding enzyme; D-glutamate ligase; UDP-Mur-NAC-L-Ala:D-Glu ligase; UDP-N-acetylmuramoyl-L-alanine:glutamate ligase (ADP-forming); UDP-N-acetylmuramoylalanine-D-glutamate ligase; UDP-N-acetylmuramoyl-L-alanine:D-glutamate ligase (ADP-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.2.9

CAS No.

9023-59-0

Reaction

ATP + UDP-N-acetyl- α -D-muramoyl-L-alanine + D-glutamate = ADP + phosphate + UDP-N-acetyl- α -D-muramoyl-L-alanyl-D-glutamate

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.