D-alanine-D-alanine ligase

Cat. No. EXWM-5757

Lot. No. (See product label)

Introduction

Description	Involved with EC 6.3.2.7 (UDP-N-acetylmuramoyl-L-alanyl-D-glutamate-L-lysine ligase) or EC 6.3.2.13 (UDP-N-acetylmuramoyl-L-alanyl-D-glutamate-2,6-diaminopimelate ligase), EC 6.3.2.8 (UDP-N-acetylmuramate-L-alanine ligase), EC 6.3.2.9 (UDP-N-acetylmuramoyl-L-alanine-D-glutamate ligase) and EC 6.3.2.10 (UDP-N-acetylmuramoyl-tripeptide-D-alanyl-D-alanine ligase) in the synthesis of a cell-wall peptide (click here for diagram).
Synonyms	MurE synthetase [ambiguous]; alanine:alanine ligase (ADP-forming); alanylalanine synthetase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.2.4
CAS No.	9023-63-6
Reaction	ATP + 2 D-alanine = ADP + phosphate + D-alanyl-D-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 ℃.