Creative Enzymes®

aspartate-ammonia ligase

Cat. No. EXWM-5712

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of ligases, specifically those forming carbon-nitrogen bonds as acid-D-ammonia (or amine) ligases (amide synthases).This enzyme participates in 3 metabolic pathways: alanine and aspartate metabolism, cyanoamino acid metabolism, and nitrogen metabolism.
Synonyms	asparagine synthetase; L-asparagine synthetase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.1.1
CAS No.	9023-69-2
Reaction	ATP + L-aspartate + NH3 = AMP + diphosphate + L-asparagine
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 ℃.