Creative Enzymes®

adenylosuccinate synthase

Cat. No. EXWM-5796

Lot. No. (See product label)

Introduction

Description	In molecular biology, Adenylosuccinate synthase (EC 6.3.4.4.) is an enzyme that plays an important role in purine biosynthesis, by catalysing the guanosine triphosphate (GTP)-dependent conversion of inosine monophosphate (IMP) and aspartic acid to guanosine diphosphate (GDP), phosphate and N(6)-(1,2-dicarboxyethyl)-AMP.
Synonyms	IMP-aspartate ligase; adenylosuccinate synthetase; succinoadenylic kinosynthetase; succino-AMP synthetase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.4.4
CAS No.	9023-57-8
Reaction	GTP + IMP + L-aspartate = GDP + phosphate + N6-(1,2-dicarboxyethyl)-AMP
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 ℃.