Creative Enzymes®

succinate-CoA ligase (ADP-forming)

Cat. No. EXWM-5707

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of ligases, specifically those forming carbon-sulfur bonds as acid-thiol ligases. This enzyme participates in 4 metabolic pathways: Citric acid cycle, propanoate metabolism, c5-branched dibasic acid metabolism, and reductive carboxylate cycle (CO2 fixation).
Synonyms	succinyl-CoA synthetase (ADP-forming); succinic thiokinase; succinate thiokinase; succinyl-CoA synthetase; succinyl coenzyme A synthetase (adenosine diphosphate-forming); succinyl coenzyme A synthetase; A-STK (adenin nucleotide-linked succinate thiokinase); STK; A-SCS

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.2.1.5
CAS No.	9080-33-5
Reaction	ATP + succinate + CoA = ADP + phosphate + succinyl-CoA
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 ℃.