

## 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 (CO<sub>2</sub> 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.