

## (S)-citramalyl-CoA lyase

Cat. No. EXWM-4905

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup> ions for activity. The enzyme from the bacterium *Clostridium tetanomorphum* is a component of EC 4.1.3.22, citramalate lyase. It also acts on (3S)-citramalyl thioacyl-carrier protein. The enzyme from the bacterium *Chloroflexus aurantiacus* also has the activity of EC 4.1.3.24, malyl-CoA lyase. It has no activity with (3R)-citramalyl-CoA (cf. EC 4.1.3.46, (R)-citramalyl-CoA lyase).

#### Synonyms

citramalyl coenzyme A lyase (ambiguous); (+)-CMA-CoA lyase; (3S)-citramalyl-CoA pyruvate-lyase; Mcl (ambiguous); citramalyl-CoA lyase (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.1.3.25

#### CAS No.

37290-68-9

#### Reaction

(3S)-citramalyl-CoA = acetyl-CoA + pyruvate

#### 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.