

## (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.