

## malyl-CoA lyase

Cat. No. EXWM-4904

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from the bacterium *Chloroflexus aurantiacus*, which participates in the 3-hydroxypropanoate cycle for carbon assimilation, also has the activity of EC 4.1.3.25, (3S)-citramalyl-CoA lyase. The enzymes from *Rhodobacter* species are part of acetate assimilation pathways. The reactions are reversible.

#### Synonyms

malyl-coenzyme A lyase; (3S)-3-carboxy-3-hydroxypropanoyl-CoA glyoxylate-lyase; mclA (gene name); mcl1 (gene name); (3S)-3-carboxy-3-hydroxypropanoyl-CoA glyoxylate-lyase (acetyl-CoA-forming); L-malyl-CoA lyase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.1.3.24

#### CAS No.

37290-67-8

#### Reaction

(1) (S)-malyl-CoA = acetyl-CoA + glyoxylate; (2) (2R,3S)-2-methylmalyl-CoA = propanoyl-CoA + glyoxylate

#### 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.