

## citrate-lyase deacetylase

Cat. No. EXWM-3550

Lot. No. (See product label)

### Introduction

#### Description

In the proteobacterium *Rubrivivax gelatinosus*, this enzyme modulates the activity of EC 4.1.3.6, citrate (pro-3S)-lyase, by converting it from its active acetyl form into its inactive thiol form by removal of its acetyl groups. The activity of citrate-lyase deacetylase is itself inhibited by L-glutamate.

#### Synonyms

[citrate-(pro-3S)-lyase] thiolesterase; acetyl-S-(acyl-carrier protein) enzyme thioester hydrolase; citrate lyase deacetylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.1.2.16

#### CAS No.

58319-93-0

#### Reaction

[citrate (pro-3S)-lyase](acetyl form) + 6 H<sub>2</sub>O = [citrate (pro-3S)-lyase](thiol form) + 6 acetate

#### 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.