Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.