Creative Enzymes®

malate synthase

Cat. No. EXWM-2325

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses the irreversible condensation of acetyl-CoA with glyoxylate to form (S)-malate. Among other functions, the enzyme participates in the glyoxylate cycle, a modified version of the TCA cycle that bypasses steps that lead to a loss of CO2.
Synonyms	L-malate glyoxylate-lyase (CoA-acetylating); glyoxylate transacetylase; glyoxylate transacetase; glyoxylic transacetase; malate condensing enzyme; malate synthetase; malic synthetase; malic-condensing enzyme; acetyl-CoA:glyoxylate C-acetyltransferase (thioester-hydrolysing, carboxymethyl-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.3.9
CAS No.	9013-48-3
Reaction	acetyl-CoA + glyoxylate + H2O = (S)-malate + CoA
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 ℃.