

malonyl-S-ACP decarboxylase

Cat. No. EXWM-4836

Lot. No. (See product label)

Introduction

Description

This enzyme comprises the β and γ subunits of EC 4.1.1.88 (biotin-independent malonate decarboxylase) but is not present in EC 4.1.1.89 (biotin-dependent malonate decarboxylase). It follows on from EC 2.3.1.187, acetyl-S-ACP:malonate ACP transferase, and results in the regeneration of the acetylated form of the acyl-carrier-protein subunit of malonate decarboxylase. The carboxy group is lost with retention of configuration.

Synonyms

malonyl-S-acyl-carrier protein decarboxylase; MdcD/MdcE; MdcD,E

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.1.87

Reaction

a malonyl-[acyl-carrier protein] + H⁺ = an acetyl-[acyl-carrier protein] + CO₂

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.