## malonyl-S-ACP decarboxylase

Cat. No. EXWM-4836
Lot. No. (See product label)

## Introduction

Description This enzyme comprises the $\beta$ and $\gamma$ 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 <br> $\quad$according to your specifications. |

## Storage and Shipping Information

Storage Store it at $+4^{\circ} \mathrm{C}$ for short term. For long term storage, store it at $-20^{\circ} \mathrm{C} \sim-80^{\circ} \mathrm{C}$.

