

## 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<sup>+</sup> = an acetyl-[acyl-carrier protein] + CO<sub>2</sub>

**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.