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