

## acetyl-S-ACP:malonate ACP transferase

Cat. No. EXWM-2129 Lot. No. (See product label)

Introduction	
<i>Description</i> <i>Synonyms</i>	This is the first step in the catalysis of malonate decarboxylation and involves the exchange of an acetyl thioester residue bound to the activated acyl-carrier protein (ACP) subunit of the malonate decarboxylase complex for a malonyl thioester residue. This enzyme forms the α subunit of the multienzyme complexes biotin-independent malonate decarboxylase (EC 4.1.1.88) and biotin-dependent malonate decarboxylase (EC 4.1.1.88) and biotin-dependent malonate decarboxylase (EC 4.1.1.89). The enzyme can also use acetyl-CoA as a substrate but more slowly.
	transferase; malonate:ACP transferase; acetyl-S-acyl carrier protein:malonate acyl carrier protein-SH transferase
Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.187
Reaction	an acetyl-[acyl-carrier protein] + malonate = a malonyl-[acyl-carrier protein] + acetate
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.