

ACP-SH:acetate ligase

Cat. No. EXWM-5693

Lot. No. (See product label)

Introduction

Description

This enzyme, from the anaerobic bacterium *Malonomonas rubra*, is a component of the multienzyme complex EC 4.1.1.89, biotin-dependent malonate decarboxylase. The enzyme uses the energy from hydrolysis of ATP to convert the thiol group of the acyl-carrier-protein-bound 2'-(5-phosphoribosyl)-3'-dephospho-CoA prosthetic group into its acetyl thioester.

Synonyms

HS-acyl-carrier protein:acetate ligase; [acyl-carrier protein]:acetate ligase; MadH

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.2.1.35

Reaction

ATP + acetate + an [acyl-carrier protein] = AMP + diphosphate + an acetyl-[acyl-carrier protein]

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.