Creative Enzymes®

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