

[acyl-carrier-protein] phosphodiesterase

Cat. No. EXWM-3714

Lot. No. (See product label)

Introduction

Description

The enzyme cleaves acyl-[acyl-carrier-protein] species with acyl chains of 6-16 carbon atoms although it appears to demonstrate a preference for the unacylated acyl-carrier protein (ACP) and short-chain ACPs over the medium- and long-chain species. Deletion of the gene encoding this enzyme abolishes ACP prosthetic-group turnover in vivo. Activation of apo-ACP to form the holoenzyme is carried out by EC 2.7.8.7, holo-[acyl-carrier-protein] synthase.

Synonyms

ACP hydrolyase; ACP phosphodiesterase; AcpH; [acyl-carrier-protein] 4'-pantetheine-phosphohydrolase; holo-[acyl-carrier-protein] 4'-pantetheine-phosphohydrolase

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.1.4.14

CAS No. 37288-21-4

Reaction holo-[acyl-carrier protein] + H₂O = 4'-phosphopantetheine + apo-[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.