

## [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] + H<sub>2</sub>O = 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.