Creative Enzymes®

long-chain-fatty-acid-[acyl-carrier-protein] ligase

Cat. No. EXWM-5679

Lot. No. (See product label)

Introduction

Description	The enzyme ligates long chain fatty acids (with aliphatic chain of 13-22 carbons) to an acyl-carrier protein. Not identical with EC 6.2.1.3 long-chain-fatty-acid-CoA ligase.
Synonyms	acyl-[acyl-carrier-protein] synthetase (ambiguous); acyl-ACP synthetase (ambiguous); stearoyl-ACP synthetase; acyl-acyl carrier protein synthetase (ambiguous); long-chain-fatty-acid:[acyl-carrier-protein] ligase (AMP-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.2.1.20
CAS No.	77322-37-3
Reaction	ATP + a long-chain fatty acid + an [acyl-carrier protein] = AMP + diphosphate + a long-chain acyl-[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 ℃.