Creative Enzymes®

lipid IVA palmitoyltransferase

Cat. No. EXWM-2201

Lot. No. (See product label)

Introduction

Description	Isolated from the bacteria Escherichia coli and Salmonella typhimurium. The enzyme prefers phosphatidylcholine with a palmitoyl group at the sn-1 position and palmitoyl or stearoyl groups at the sn-2 position. There is some activity with corresponding phosphatidylserines but only weak activity with other diacylphosphatidyl compounds. The enzyme also acts on Kdo-(2→4)-Kdo-(2→6)-lipid IVA.
Synonyms	PagP; crcA (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.251
Reaction	(1) 1-palmitoyl-2-acyl-sn-glycero-3-phosphocholine + hexa-acyl lipid A = 2-acyl-sn-glycero-3-phosphocholine + hepta-acyl lipid A; (2) 1-palmitoyl-2-acyl-sn-glycero-3-phosphocholine + lipid IIA = 2-acyl-sn-glycero-3-phosphocholine + lipid IIB; (3) 1-palmitoyl-2-acyl-sn-glycero-3-phosphocholine + lipid IVA = 2-acyl-sn-glycero-3-phosphocholine + lipid IVB
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 ℃.