Creative Enzymes®

lipid A phosphoethanolamine transferase

Cat. No. EXWM-3213

Lot. No. (See product label)

Introduction

Description	The enzyme adds one or two ethanolamine phosphate groups to lipid A giving a diphosphate, sometimes in combination with EC 2.4.2.43 (lipid IVA 4-amino-4-deoxy-L-arabinosyltransferase) giving products with 4-amino-4-deoxy-β-L-arabinose groups at the phosphates of lipid A instead of diphosphoethanolamine groups. It will also act on lipid IVA and Kdo2-lipid A.
Synonyms	lipid A PEA transferase; PmrA; LptA

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.4.30
Reaction	(1) diacylphosphatidylethanolamine + lipid A = diacylglycerol + lipid A 1-(2-aminoethyl diphosphate); (2) diacylphosphatidylethanolamine + lipid A = diacylglycerol + lipid A 4'-(2-aminoethyl diphosphate); (3) diacylphosphatidylethanolamine + lipid A 1-(2-aminoethyl diphosphate) = diacylglycerol + lipid A 1,4'-bis(2-aminoethyl diphosphate)
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 ℃.