Creative Enzymes®

(Kdo)3-lipid IVA (2-4) 3-deoxy-D-manno-octulosonic acid transferase

Cat. No. EXWM-2699

Lot. No. (See product label)

Introduction

Description	The enzyme from Chlamydia psittaci transfers four Kdo residues to lipid A, forming a branched tetrasaccharide with the structure α-Kdo-(2,8)-[α-Kdo-(2,4)]-α-Kdo-(2,4)-α-Kdo (cf. EC 2.4.99.12 [lipid IVA 3-deoxy-D-manno-octulosonic acid transferase], EC 2.4.99.13 [(Kdo)-lipid IVA 3-deoxy-D-manno-octulosonic acid transferase], and EC 2.4.99.14 [(Kdo)2-lipid IVA (2-8) 3-deoxy-D-manno-octulosonic acid transferase]).
Synonyms	Kdo transferase; waaA (gene name); kdtA (gene name); 3-deoxy-D-manno-oct-2-ulosonic acid transferase; 3-deoxy-manno-octulosonic acid transferase; (KDO)3-lipid IVA (2-4) 3-deoxy-D-manno-octulosonic acid transferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.99.15
Reaction	α-Kdo-(2→8)-α-Kdo-(2→4)-α-Kdo-(2→6)-lipid IVA + CMP-β-Kdo = α-Kdo-(2→8)-[α-Kdo-(2→4)]-α-Kdo-(2→4)-α-Kdo-(2→6)-lipid IVA + CMP
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 ℃.