

## (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  $\alpha$ -Kdo-(2,8)-[ $\alpha$ -Kdo-(2,4)]- $\alpha$ -Kdo-(2,4)- $\alpha$ -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**  $\alpha$ -Kdo-(2 $\rightarrow$ 8)- $\alpha$ -Kdo-(2 $\rightarrow$ 4)- $\alpha$ -Kdo-(2 $\rightarrow$ 6)-lipid IVA + CMP- $\beta$ -Kdo =  $\alpha$ -Kdo-(2 $\rightarrow$ 8)-[ $\alpha$ -Kdo-(2 $\rightarrow$ 4)]- $\alpha$ -Kdo-(2 $\rightarrow$ 4)- $\alpha$ -Kdo-(2 $\rightarrow$ 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.