

## 3-O-phospho-polymannosyl GlcNAc-diphospho-ditrans, octacis-undecaprenol 3-phospho-methyltransferase

Cat. No. EXWM-1901

Lot. No. (See product label)

## Introduction

**Description** The enzyme is involved in the biosynthesis of the polymannose O-polysaccharide in

the outer leaflet of the membrane of Escherichia coli serotype O9a. O-

Polysaccharide structures vary extensively because of differences in the number and type of sugars in the repeat unit. The dual kinase/methylase WbdD also catalyses the preceding phosphorylation of  $\alpha\text{-D-Man-}(1\rightarrow 2)-\alpha\text{-D-Man-}(1\rightarrow 2)-\alpha\text{-D-Man-}(1\rightarrow 3)-\alpha\text{-D-Man-}(1\rightarrow 3)-\alpha\text{-D-Man-$ 

Man-diphospho-ditrans, octacis-undecaprenol 3-kinase).

**Synonyms** WbdD

## **Product Information**

**Form** Liquid or lyophilized powder

**EC Number** EC 2.1.1.294

**Reaction** S-adenosyl-L-methionine + 3-O-phospho-α-D-Man- $(1\rightarrow 2)$ -α-D-Man- $(1\rightarrow 2)$ -α-D-Ma

 $(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 3)-[\alpha-D-Man-(1\rightarrow 2)-\alpha-D-Man-(1\rightarrow 2)-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 3)]n-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 2)-\alpha-D-Man-(1\rightarrow 2)-\alpha-D-Man-(1\rightarrow 2)-\alpha-D-Man-(1\rightarrow 2)-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-(1\rightarrow 3)-\alpha-D-Man-($ 

ditrans, octacis-undecaprenol

**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

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.

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