

## dolichyl-P-Glc:Man9GlcNAc2-PP-dolichol $\alpha$ -1,3-glucosyltransferase

Cat. No. EXWM-2498

Lot. No. (See product label)

### Introduction

#### Description

The successive addition of three glucose residues by EC 2.4.1.267, EC 2.4.1.265 (Dol-P-Glc:Glc1Man9GlcNAc2-PP-Dol  $\alpha$ -1,3-glucosyltransferase) and EC 2.4.1.256 (Dol-P-Glc:Glc2Man9GlcNAc2-PP-Dol  $\alpha$ -1,2-glucosyltransferase) represents the final stage of the lipid-linked oligosaccharide assembly.

#### Synonyms

ALG6; Dol-P-Glc:Man9GlcNAc2-PP-Dol  $\alpha$ -1,3-glucosyltransferase; dolichyl  $\beta$ -D-glucosyl phosphate:D-Man- $\alpha$ -(1 $\rightarrow$ 2)-D-Man- $\alpha$ -(1 $\rightarrow$ 2)-D-Man- $\alpha$ -(1 $\rightarrow$ 3)-[D-Man- $\alpha$ -(1 $\rightarrow$ 2)-D-Man- $\alpha$ -(1 $\rightarrow$ 3)-[D-Man- $\alpha$ -(1 $\rightarrow$ 2)-D-Man- $\alpha$ -(1 $\rightarrow$ 6)]]-D-Man- $\beta$ -(1 $\rightarrow$ 4)-D-GlcNAc- $\beta$ -(1 $\rightarrow$ 4)-D-GlcNAc-diphosphodolichol  $\alpha$ -1,3-glucosyltransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.4.1.267

#### Reaction

dolichyl  $\beta$ -D-glucosyl phosphate +  $\alpha$ -D-Man-(1 $\rightarrow$ 2)- $\alpha$ -D-Man-(1 $\rightarrow$ 2)- $\alpha$ -D-Man-(1 $\rightarrow$ 3)-[ $\alpha$ -D-Man-(1 $\rightarrow$ 2)- $\alpha$ -D-Man-(1 $\rightarrow$ 3)-[ $\alpha$ -D-Man-(1 $\rightarrow$ 2)- $\alpha$ -D-Man-(1 $\rightarrow$ 6)]]- $\alpha$ -D-Man-(1 $\rightarrow$ 6)]- $\beta$ -D-Man-(1 $\rightarrow$ 4)- $\beta$ -D-GlcNAc-(1 $\rightarrow$ 4)- $\alpha$ -D-GlcNAc-diphosphodolichol =  $\alpha$ -D-Glc-(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 $\rightarrow$ 2)- $\alpha$ -D-Man-(1 $\rightarrow$ 3)-[ $\alpha$ -D-Man-(1 $\rightarrow$ 2)- $\alpha$ -D-Man-(1 $\rightarrow$ 6)]]- $\beta$ -D-Man-(1 $\rightarrow$ 4)- $\beta$ -D-GlcNAc-(1 $\rightarrow$ 4)- $\alpha$ -D-GlcNAc-diphosphodolichol + dolichyl phosphate

#### 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.