

dolichyl-P-Glc:Man9GlcNAc2-PP-dolichol α -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 α -1,3-glucosyltransferase) and EC 2.4.1.256 (Dol-P-Glc:Glc2Man9GlcNAc2-PP-Dol α -1,2-glucosyltransferase) represents the final stage of the lipid-linked oligosaccharide assembly.

Synonyms

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

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.267

Reaction

dolichyl β -D-glucosyl phosphate + α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 3)-[α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 3)-[α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 6)]- α -D-Man-(1 \rightarrow 6)]- β -D-Man-(1 \rightarrow 4)- β -D-GlcNAc-(1 \rightarrow 4)- α -D-GlcNAc-diphosphodolichol = α -D-Glc-(1 \rightarrow 3)- α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 3)-[α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 3)-[α -D-Man-(1 \rightarrow 2)- α -D-Man-(1 \rightarrow 6)]- β -D-Man-(1 \rightarrow 4)- β -D-GlcNAc-(1 \rightarrow 4)- α -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.