

dolichyl-P-Man:Man7GlcNAc2-PP-dolichol α -1,6-mannosyltransferase

Cat. No. EXWM-2491

Lot. No. (See product label)

Introduction

Description The formation of N-glycosidic linkages of glycoproteins involves the ordered assembly of the common Glc3Man9GlcNAc2 core-oligosaccharide on the lipid carrier dolichyl diphosphate. Early mannosylation steps occur on the cytoplasmic side of the endoplasmic reticulum with GDP-Man as donor, the final reactions from Man5GlcNAc2-PP-Dol to Man9GlcNAc2-PP-Dol on the lumenal side use dolichyl β -D-mannosyl phosphate.

Synonyms ALG12; ALG12 mannosyltransferase; ALG12 α 1,6mannosyltransferase; dolichyl-P-mannose:Man7GlcNAc2-PP-dolichyl mannosyltransferase; dolichyl-P-Man:Man7GlcNAc2-PP-dolichyl α 6-mannosyltransferase; EBS4; Dol-P-Man:Man7GlcNAc2-PP-Dol α -1,6-mannosyltransferase; dolichyl β -D-mannosyl 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 6)]-D-Man- β -(1 \rightarrow 4)-D-GlcNAc- β -(1 \rightarrow 4)-D-GlcNAc-diphosphodolichol α -1,6-mannosyltransferase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.4.1.260

Reaction dolichyl β -D-mannosyl 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 6)]- β -D-Man- β -(1 \rightarrow 4)- β -D-GlcNAc-(1 \rightarrow 4)- α -D-GlcNAc-diphosphodolichol = α -D-Man- α -(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 6)]- 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.