

N-acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase

Cat. No. EXWM-2522

Lot. No. (See product label)

Introduction

Description

Requires Mn²⁺ or Mg²⁺. Isolated from Mycobacterium smegmatis and Mycobacterium tuberculosis. The enzyme catalyses the addition of a rhamnosyl unit to N-acetyl- α -D-glucosaminyl-diphospho-trans,octacis-decaprenol, completing the synthesis of the linkage unit that attaches the arabinogalactan moiety to the peptidoglycan moiety in Mycobacterial cell wall.

Synonyms

WbbL

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.289

Reaction

dTDP-6-deoxy- β -L-mannose + N-acetyl- α -D-glucosaminyl-diphospho-trans,octacis-decaprenol = dTDP + α -L-rhamnopyranosyl-(1 \rightarrow 3)-N-acetyl- α -D-glucosaminyl-diphospho-trans,octacis-decaprenol

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.