Creative Enzymes®

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→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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.