

## N-acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase

Cat. No. EXWM-2522

Lot. No. (See product label)

### Introduction

**Description** Requires Mn<sup>2+</sup> or Mg<sup>2+</sup>. Isolated from Mycobacterium smegmatis and Mycobacterium tuberculosis. The enzyme catalyses the addition of a rhamnosyl unit to N-acetyl- $\alpha$ -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- $\beta$ -L-mannose + N-acetyl- $\alpha$ -D-glucosaminyl-diphospho-trans,octacis-decaprenol = dTDP +  $\alpha$ -L-rhamnopyranosyl-(1 $\rightarrow$ 3)-N-acetyl- $\alpha$ -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.