

UDP-N-acetylglucosamine-decaprenyl-phosphate N-acetylglucosaminephosphotransferase

Cat. No. EXWM-3334

Lot. No. (See product label)

Introduction

Description

Isolated from *Mycobacterium tuberculosis* and *Mycobacterium smegmatis*. This enzyme catalyses the synthesis of monotrans,octacis-decaprenyl-N-acetyl- α -D-glucosaminyl diphosphate (mycobacterial lipid I), an essential lipid intermediate for the biosynthesis of various bacterial cell envelope components. cf. EC 2.7.8.33, UDP-GlcNAc:undecaprenyl-phosphate GlcNAc-1-phosphate transferase.

Synonyms

GlcNAc-1-phosphate transferase; UDP-GlcNAc:undecaprenyl phosphate GlcNAc-1-phosphate transferase; WecA; WecA transferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.8.35

Reaction

UDP-N-acetyl- α -D-glucosamine + trans,octacis-decaprenyl phosphate = UMP + 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.