Creative Enzymes®

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