Creative Enzymes®

undecaprenyldiphospho-muramoylpentapeptide β-N-acetylglucosaminyltransferase

Cat. No. EXWM-2456

Lot. No. (See product label)

Introduction

Description	The enzyme also works when the lysine residue is replaced by meso-2,6-diaminoheptanedioate (meso-2,6-diaminopimelate, A2pm) combined with adjacent residues through its L-centre, as it is in Gram-negative and some Gram-positive organisms. The undecaprenol involved is ditrans,octacis-undecaprenol (for definitions, click here).
Synonyms	MurG transferase; UDP-N-acetyl-D-glucosamine:N-acetyl-α-D-muramyl(oyl-L-Ala-γ-D-Glu-L-Lys-D-Ala-D-Ala)-diphosphoundecaprenol β-1,4-N-acetylglucosaminlytransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.227
CAS No.	60976-26-3
Reaction	UDP-N-acetylglucosamine + Mur2Ac(oyl-L-Ala-γ-D-Glu-L-Lys-D-Ala-D-Ala)-diphosphoundecaprenol = UDP + GlcNAc-(1→4)-Mur2Ac(oyl-L-Ala-γ-D-Glu-L-Lys-D-Ala-D-Ala)-diphosphoundecaprenol
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 ℃.