

phospho-N-acetylmuramoyl-pentapeptide-transferase

Cat. No. EXWM-3313

Lot. No. (See product label)

Introduction

Description

In Gram-negative and some Gram-positive organisms the L-lysine is replaced by meso-2,6-diaminoheptanedioate (meso-2,6-diaminopimelate, A2pm), which is combined with adjacent residues through its L-centre. The undecaprenol involved is ditrans,octakis-undecaprenol (for definitions, [click here](#)).

Synonyms

MraY transferase; UDP-MurNAc-L-Ala-D-γ-Glu-L-Lys-D-Ala-D-Ala:C55-isoprenoid alcohol transferase; UDP-MurNAc-Ala-γDGlu-Lys-DAla-DAla:undecaprenylphosphate transferase; phospho-N-acetylmuramoyl pentapeptide translocase; phospho-MurNAc-pentapeptide transferase; phospho-NAc-muramoyl-pentapeptide translocase (UMP); phosphoacetylmuramoylpentapeptide translocase; phosphoacetylmuramoylpentapeptidetransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.8.13

CAS No.

9068-50-2

Reaction

UDP-Mur2Ac(oyl-L-Ala-γ-D-Glu-L-Lys-D-Ala-D-Ala) + undecaprenyl phosphate = UMP + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.