Creative Enzymes®

ditrans,polycis-undecaprenyl-diphosphate synthase [(2E,6E)-farnesyl-diphosphate specific]

Cat. No. EXWM-2769

Lot. No. (See product label)

Introduction

Description	Undecaprenyl pyrophosphate synthase catalyses the consecutive condensation reactions of a farnesyl diphosphate with eight isopentenyl diphosphates, in which new cis-double bonds are formed, to generate undecaprenyl diphosphate that serves as a lipid carrier for peptidoglycan synthesis of bacterial cell wall.
Synonyms	di-trans,poly-cis-undecaprenyl-diphosphate synthase; undecaprenyl-diphosphate synthase; bactoprenyl-diphosphate synthase; UPP synthetase; undecaprenyl diphosphate synthetase; undecaprenyl pyrophosphate synthetase; di-trans,poly-cis-decaprenylcistransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.31
CAS No.	52350-87-5
Reaction	(2E,6E)-farnesyl diphosphate + 8 isopentenyl diphosphate = 8 diphosphate + ditrans,octacis-undecaprenyl diphosphate
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 ℃.