Creative Enzymes®

all-trans-octaprenyl-diphosphate synthase

Cat. No. EXWM-2829

Lot. No. (See product label)

Introduction

Description	This enzyme catalyses the condensation reactions resulting in the formation of all-trans-octaprenyl diphosphate, the isoprenoid side chain of ubiquinone-8 and menaquinone-8. The enzyme adds five isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry
Synonyms	octaprenyl-diphosphate synthase; octaprenyl pyrophosphate synthetase; polyprenylpyrophosphate synthetase; terpenoidallyltransferase; terpenyl pyrophosphate synthetase; trans-heptaprenyltranstransferase; trans-prenyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.90
Reaction	(2E,6E)-farnesyl diphosphate + 5 isopentenyl diphosphate = 5 diphosphate + all-trans-octaprenyl 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 ℃.