Creative Enzymes®

all-trans-decaprenyl-diphosphate synthase

Cat. No. EXWM-2830

Lot. No. (See product label)

Introduction

Description	This enzyme catalyses the condensation reactions resulting in the formation of all-trans-decaprenyl diphosphate, the isoprenoid side chain of ubiquinone-10 and menaquinone-10. The enzyme adds seven isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry.
Synonyms	decaprenyl-diphosphate synthase; decaprenyl pyrophosphate synthetase; polyprenylpyrophosphate synthetase; terpenoidallyltransferase; terpenyl pyrophosphate synthetase; trans-prenyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.91
Reaction	(2E,6E)-farnesyl diphosphate + 7 isopentenyl diphosphate = 7 diphosphate + all-trans-decaprenyl 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 ℃.