Creative Enzymes®

heptaprenyl diphosphate synthase

Cat. No. EXWM-2768

Lot. No. (See product label)

Introduction

Description	This enzyme catalyses the condensation reactions resulting in the formation of all-trans-heptaprenyl diphosphate, the isoprenoid side chain of ubiquinone-7 and menaquinone-7. The enzyme adds four isopentenyl diphosphate molecules sequentially to farnesyl diphosphate with trans stereochemistry.
Synonyms	all-trans-heptaprenyl-diphosphate synthase; heptaprenyl pyrophosphate synthase; heptaprenyl pyrophosphate synthetase; HepPP synthase; HepPS; heptaprenylpyrophosphate synthetase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.30
CAS No.	74506-59-5
Reaction	(2E,6E)-farnesyl diphosphate + 4 isopentenyl diphosphate = 4 diphosphate + all-trans-heptaprenyl 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 ℃.