

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.