

4-hydroxybenzoate polyprenyltransferase

Cat. No. EXWM-2775

Lot. No. (See product label)

Introduction

Description

This enzyme, involved in the biosynthesis of ubiquinone, attaches a polyprenyl side chain to a 4-hydroxybenzoate ring, producing the first ubiquinone intermediate that is membrane bound. The number of isoprenoid subunits in the side chain varies in different species. The enzyme does not have any specificity concerning the length of the polyprenyl tail, and accepts tails of various lengths with similar efficiency.

Synonyms

nonaprenyl-4-hydroxybenzoate transferase; 4-hydroxybenzoate transferase; p-hydroxybenzoate dimethylallyltransferase; p-hydroxybenzoate polyprenyltransferase; p-hydroxybenzoic acid-polyprenyl transferase; p-hydroxybenzoic-polyprenyl transferase; 4-hydroxybenzoate nonaprenyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.5.1.39

CAS No.

9030-77-7

Reaction

a polyprenyl diphosphate + 4-hydroxybenzoate = diphosphate + a 4-hydroxy-3-polyprenylbenzoate

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.