Creative Enzymes®

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