Creative Enzymes®

1,4-dihydroxy-2-naphthoate polyprenyltransferase

Cat. No. EXWM-2812

Lot. No. (See product label)

Introduction

Description	This enzyme catalyses a step in the synthesis of menaquinone, in which the prenyl chain synthesized by polyprenyl diphosphate synthase is transferred to 1,4-dihydroxy-2-naphthoate (DHNA). The bacterial enzyme is an inner membrane protein, with the C-terminus located in the periplasm. It is highly specific for DHNA but not for a specific length of the prenyl chain.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.74
Reaction	an all-trans-polyprenyl diphosphate + 1,4-dihydroxy-2-naphthoate = a demethylmenaquinol + diphosphate + CO2
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 ℃.