Creative Enzymes®

2-carboxy-1,4-naphthoquinone phytyltransferase

Cat. No. EXWM-2746

Lot. No. (See product label)

Introduction

Description	This enzyme, found in plants and cyanobacteria, catalyses a step in the synthesis of phylloquinone (vitamin K1), an electron carrier associated with photosystem I. The enzyme catalyses the transfer of the phytyl chain synthesized by EC 1.3.1.83, geranylgeranyl diphosphate reductase, to 2-carboxy-1,4-naphthoquinone.
Synonyms	menA (gene name); ABC4 (gene name); 1,4-dioxo-2-naphthoate phytyltransferase; 1,4-diketo-2-naphthoate phytyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.130
Reaction	phytyl diphosphate + 2-carboxy-1,4-naphthoquinone = demethylphylloquinone + 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 ℃.