

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 phyloquinone (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 = demethylphyloquinone + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.