menaquinol oxidase (H+-transporting)

Cat. No. EXWM-0478

Lot. No. (See product label)

Introduction

Description	Cytochrome aa3-600, one of the principal respiratory oxidases from Bacillus subtilis, is a member of the heme-copper superfamily of oxygen reductases, and is a close homologue of the cytochrome bo3 ubiquinol oxidase from Escherichia coli, but uses menaquinol instead of ubiquinol as a substrate.The enzyme also pumps protons across the membrane bilayer, generating a proton motive force.
Synonyms	cytochrome aa3-600 oxidase; cytochrome bd oxidase; menaquinol:O2 oxidoreductase (H+-transporting)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 7.1.1.5 (Formerly EC 1.10.3.12)
Reaction	2 menaquinol + O2 = 2 menaquinone + 2 H2O
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 ℃.