

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