Creative Enzymes®

caldariellaquinol oxidase (H+-transporting)

Cat. No. EXWM-0479

Lot. No. (See product label)

Introduction

Description	A copper-containing cytochrome. The enzyme from thermophilic archaea is part of the terminal oxidase and catalyses the reduction of O2 to water, accompanied by the extrusion of protons across the cytoplasmic membrane.
Synonyms	SoxABCD quinol oxidase; SoxABCD complex; quinol oxidase SoxABCD; SoxM supercomplex; aa3-type quinol oxidase; aa3 quinol oxidase; cytochrome aa3; terminal quinol oxidase; terminal quinol:oxygen oxidoreductase; caldariella quinol:dioxygen oxidoreductase; cytochrome aa3-type oxidase caldariellaquinol:O2 oxidoreductase (H+-transporting)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 7.1.1.4 (Formerly EC 1.10.3.13)
Reaction	2 caldariellaquinol + O2 + n H+[side 1] = 2 caldariellaquinone + 2 H2O + n H+[side 2]
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 ℃.