

## caldariellaquinol oxidase (H<sup>+</sup>-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 O<sub>2</sub> 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:O<sub>2</sub> oxidoreductase (H<sup>+</sup>-transporting)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 7.1.1.4 (Formerly EC 1.10.3.13)

**Reaction** 2 caldariellaquinol + O<sub>2</sub> + n H<sup>+</sup>[side 1] = 2 caldariellaquinone + 2 H<sub>2</sub>O + n H<sup>+</sup>[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 °C for short term. For long term storage, store it at -20 °C~-80 °C.