

## quinol-cytochrome-c reductase

Cat. No. EXWM-0474

Lot. No. (See product label)

### Introduction

**Description** The enzyme, often referred to as the cytochrome bc1 complex or complex III, is the third complex in the electron transport chain. It is present in the mitochondria of all aerobic eukaryotes and in the inner membranes of most bacteria. The mammalian enzyme contains cytochromes b-562, b-566 and c1, and a 2-iron ferredoxin. Depending on the organism and physiological conditions, the enzyme extrudes either two or four protons from the cytoplasmic to the non-cytoplasmic compartment (cf. EC 1.6.99.3, NADH dehydrogenase).

**Synonyms** ubiquinol-cytochrome-c reductase; coenzyme Q-cytochrome c reductase; dihydrocoenzyme Q-cytochrome c reductase; reduced ubiquinone-cytochrome c reductase; complex III (mitochondrial electron transport); ubiquinone-cytochrome c reductase; ubiquinol-cytochrome c oxidoreductase; reduced coenzyme Q-cytochrome c reductase; ubiquinone-cytochrome c oxidoreductase; reduced ubiquinone-cytochrome c oxidoreductase; mitochondrial electron transport complex III; ubiquinol-cytochrome c-2 oxidoreductase; ubiquinone-cytochrome b-c1 oxidoreductase; ubiquinol-cytochrome c2 reductase; ubiquinol-cytochrome c1 oxidoreductase; CoQH2-cytochrome c oxidoreductase; ubihydroquinol:cytochrome c oxidoreductase; coenzyme QH2-cytochrome c reductase; QH2:cytochrome c oxidoreductase; ubiquinol:ferricytochrome-c oxidoreductase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.10.2.2

**CAS No.** 9027-03-6

**Reaction**  $\text{quinol} + 2 \text{ ferricytochrome c} = \text{quinone} + 2 \text{ ferrocycytochrome c} + 2 \text{ H}^+$

**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.