Creative Enzymes®

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	quinol + 2 ferricytochrome c = quinone + 2 ferrocytochrome c + 2 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.