

NADH:ubiquinone reductase (H+-translocating)

Cat. No. EXWM-1592 Lot. No. (See product label)

Introduction	
Description	A flavoprotein (FMN) containing iron-sulfur clusters. The complex is present in mitochondria and aerobic bacteria. Breakdown of the complex can release EC 1.6.99.3, NADH dehydrogenase. In photosynthetic bacteria, reversed electron transport through this enzyme can reduce NAD+ to NADH.
Synonyms	dehydrogenase; coenzyme Q reductase (ambiguous); type I denydrogenase; complex I dehydrogenase; coenzyme Q reductase (ambiguous); complex I (electron transport chain); complex I (mitochondrial electron transport); complex I (NADH:Q1 oxidoreductase); dihydronicotinamide adenine dinucleotide-coenzyme Q reductase (ambiguous); DPNH-coenzyme Q reductase (ambiguous); DPNH-ubiquinone reductase (ambiguous); mitochondrial electron transport complex 1; mitochondrial electron transport complex I; NADH coenzyme Q1 reductase; NADH-coenzyme Q oxidoreductase (ambiguous); NADH-coenzyme Q reductase (ambiguous); NADH- CoQ oxidoreductase (ambiguous); NADH-coQ reductase (ambiguous); NADH- ubiquinone reductase (ambiguous); NADH-ubiquinone oxidoreductase (ambiguous); NADH-ubiquinone-1 reductase; reduced nicotinamide adenine dinucleotide- coenzyme Q reductase (ambiguous); NADH:ubiquinone oxidoreductase complex; NADH-Q6 oxidoreductase (ambiguous); electron transfer complex I; NADH2 dehydrogenase (ubiquinone)
Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 7.1.1.2 (Formerly EC 1.6.5.3)
CAS No.	9028-04-0
Reaction	NADH + ubiquinone + 6 H+[side 1] = NAD+ + ubiquinol + 7 H+[side 2]

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

Notes

Store it at +4 $^{\circ}$ C for short term. For long term storage, store it at -20 $^{\circ}$ C~-80 $^{\circ}$ C.