

Mitochondrial complex I Assay Kit

Mitochondrial complex I Activity Assay Kit (colorimetric)

CATALOG #
AAA332491

PRODUCT SYNONYMS

Mitochondrial complex I; Mitochondrial complex I Activity Assay Kit (colorimetric); Mitochondrial complex I assay kit

PRODUCT SPECIFICATIONS

Preparation and Storage	The kit is valid for est. 6 months. Please refer to the table below materials supplied and storage conditions to store all the components. Shipping: Gel pack with blue ice.
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ADDITIONAL INFORMATION

Related Product Information for Mitochondrial complex I assay kit	Principle of the Assay: Complex I can catalyze the dehydrogenation of NADH to NAD⁺. The oxidation rate of NADH can be determined at 340 nm to calculate the activity of Complex I. It can be used to determine animal, plant tissue and cell samples. Background/Introduction: Mitochondrial respiratory chain complex I (EC 1.6.5. 3), also known as NADH-CoQ reductase or NADH dehydrogenase, is the largest protein complex in the mitochondrial intima. Complex I is widely found in the mitochondria of animals, plants, microorganisms and cultured cells. This enzyme catalyzes the transfer of a pair of electrons from NADH to CoQ, and at the same time it can reduce O₂ to produce O₂⁻, which is the main part of the respiration electron transport chain to produce O₂⁻. The activity of Complex I can not only reflect the status of responsibility electron transfer chain (ETC), but also reflect the production of reactive oxygen species (ROS).
Product Categories/Family for Mitochondrial complex I assay kit	Cell Metabolism; Biochemical Assay Kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/mitochondrial-complex-i/332491>