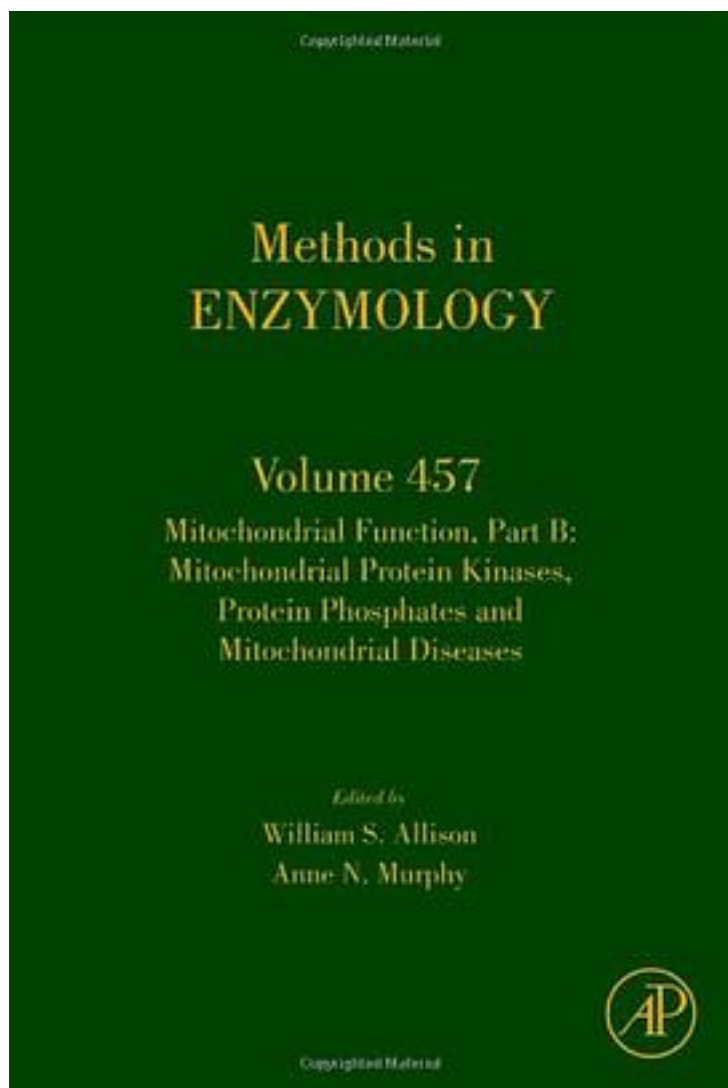


Mitochondrial Function, Part B



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The second of two new volumes covering mitochondria, this volume presents methods that have been developed to assess the number and function of nuclear-encoded proteins in the mitochondrion. These diverse chapters focus on regulation of mitochondrial function and mitochondrial diseases, including a section emphasizing the mitochondrial defects associated with type-2 diabetes. The critically acclaimed laboratory standard for 40 years, "Methods in Enzymology" is one of the most highly respected publications in the field of biochemistry. Since 1955, each volume has been eagerly awaited, frequently consulted, and praised by researchers and reviewers alike. With more than 400 volumes published, each "Methods in Enzymology" volume presents material that is relevant in today's labs - truly an essential publication for researchers in all fields of life sciences. New methods focusing on the examination of normal and abnormal mitochondrial function are presented in an easy-to-follow format by the researchers who developed them. Along with companion volume covering mitochondrial electron transport chain complexes, iron-sulfur proteins and reactive oxygen species, provides a comprehensive overview of modern techniques in the study of mitochondrial malfunction. This work provides a 'one-stop shop' for tried and tested essential techniques, eliminating the need to wade through untested or unreliable methods.

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