

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases

From Dominic M Desiderio



Download



Read Online

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio

Methodology and applications of redox proteomics

The relatively new and rapidly changing field of redox proteomics has the potential to revolutionize how we diagnose disease, assess risks, determine prognoses, and target therapeutic strategies for people with inflammatory and aging-associated diseases. This collection brings together, in one comprehensive volume, a broad array of information and insights into normal and altered physiology, molecular mechanisms of disease states, and new applications of the rapidly evolving techniques of proteomics.

Written by some of the finest investigators in this area, Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases examines the key topics of redox proteomics and redox control of cellular function, including:

- * The role of oxidized proteins in various disorders
- * Pioneering studies on the development of redox proteomics
- * Analytical methodologies for identification and structural characterization of proteins affected by oxidative/nitrosative modifications
- * The response and regulation of protein oxidation in different cell types
- * The pathological implications of protein oxidation for conditions, including asthma, cardiovascular disease, diabetes, preeclampsia, and Alzheimer's disease

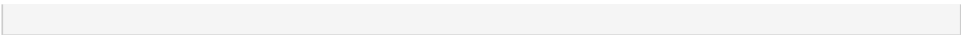
Distinguished by its in-depth discussions, balanced methodological approach, and emphasis on medical applications and diagnosis development, Redox Proteomics is a rich resource for all professionals with an interest in proteomics, cellular physiology and its alterations in disease states, and related fields.



[Download Redox Proteomics: From Protein Modifications to Ce ...pdf](#)



[Read Online Redox Proteomics: From Protein Modifications to ...pdf](#)



Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases

From Dominic M Desiderio

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio

Methodology and applications of redox proteomics

The relatively new and rapidly changing field of redox proteomics has the potential to revolutionize how we diagnose disease, assess risks, determine prognoses, and target therapeutic strategies for people with inflammatory and aging-associated diseases. This collection brings together, in one comprehensive volume, a broad array of information and insights into normal and altered physiology, molecular mechanisms of disease states, and new applications of the rapidly evolving techniques of proteomics.

Written by some of the finest investigators in this area, *Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases* examines the key topics of redox proteomics and redox control of cellular function, including:

- * The role of oxidized proteins in various disorders
- * Pioneering studies on the development of redox proteomics
- * Analytical methodologies for identification and structural characterization of proteins affected by oxidative/nitrosative modifications
- * The response and regulation of protein oxidation in different cell types
- * The pathological implications of protein oxidation for conditions, including asthma, cardiovascular disease, diabetes, preeclampsia, and Alzheimer's disease

Distinguished by its in-depth discussions, balanced methodological approach, and emphasis on medical applications and diagnosis development, *Redox Proteomics* is a rich resource for all professionals with an interest in proteomics, cellular physiology and its alterations in disease states, and related fields.

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio **Bibliography**

- Rank: #4865958 in Books
- Brand: Dominic M Desiderio
- Published on: 2006-06-12
- Original language: English
- Number of items: 1
- Dimensions: 9.50" h x 1.90" w x 6.40" l, 3.16 pounds
- Binding: Hardcover
- 976 pages

 [Download Redox Proteomics: From Protein Modifications to Ce ...pdf](#)

 [Read Online Redox Proteomics: From Protein Modifications to ...pdf](#)

Download and Read Free Online Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio

Editorial Review

Review

"...a major book...readers interested in mass spectrometry methods in proteomics will find much that is of interest here." (*Journal of the American Society for Mass Spectrometry*, March 2007)

"Every laboratory that uses redox proteomics in both clinical and academic research should possess a copy of this excellent book." (*Doody's Health Services*)

"...highly recommended as a reference text...Redox Proteomics is thought to be a milestone in this field..." (*Biotechnology Journal*, March 2007)

From the Back Cover

Methodology and applications of redox proteomics

The relatively new and rapidly changing field of redox proteomics has the potential to revolutionize how we diagnose disease, assess risks, determine prognoses, and target therapeutic strategies for people with inflammatory and aging-associated diseases. This collection brings together, in one comprehensive volume, a broad array of information and insights into normal and altered physiology, molecular mechanisms of disease states, and new applications of the rapidly evolving techniques of proteomics.

Written by some of the finest investigators in this area, *Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases* examines the key topics of redox proteomics and redox control of cellular function, including:

- The role of oxidized proteins in various disorders
- Pioneering studies on the development of redox proteomics
- Analytical methodologies for identification and structural characterization of proteins affected by oxidative/nitrosative modifications
- The response and regulation of protein oxidation in different cell types
- The pathological implications of protein oxidation for conditions, including asthma, cardiovascular disease, diabetes, preeclampsia, and Alzheimer's disease

Distinguished by its in-depth discussions, balanced methodological approach, and emphasis on medical applications and diagnosis development, *Redox Proteomics* is a rich resource for all professionals with an interest in proteomics, cellular physiology and its alterations in disease states, and related fields.

About the Author

ISABELLA DALLE-DONNE, PHD, is Assistant Professor in the Department of Biology at the University of Milan, Italy. She has a PhD in cellular and molecular biology from the University of Milan.

ANDREA SCALONI, PHD, is First Investigator at the Proteomics & Mass Spectrometry Laboratory, ISPAAM, National Research Council in Naples, Italy. He received his PhD in chemical sciences from the University of Rome "La Sapienza" in Italy.

D. ALLAN BUTTERFIELD, PHD, is Alumni Professor of Chemistry and Director of the University of Kentucky Center of Membrane Sciences in Lexington, Kentucky, USA. He received his PhD in physical chemistry from Duke University.

Users Review

From reader reviews:

Peter Tesch:

This Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases book is simply not ordinary book, you have it then the world is in your hands. The benefit you obtain by reading this book is usually information inside this publication incredible fresh, you will get details which is getting deeper an individual read a lot of information you will get. This Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases without we comprehend teach the one who examining it become critical in thinking and analyzing. Don't possibly be worry Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases can bring any time you are and not make your case space or bookshelves' become full because you can have it in the lovely laptop even cell phone. This Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases having fine arrangement in word along with layout, so you will not truly feel uninterested in reading.

Phyllis Callahan:

The book untitled Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases contain a lot of information on it. The writer explains the woman idea with easy way. The language is very easy to understand all the people, so do not really worry, you can easy to read this. The book was compiled by famous author. The author provides you in the new era of literary works. It is possible to read this book because you can read on your smart phone, or gadget, so you can read the book throughout anywhere and anytime. If you want to buy the e-book, you can wide open their official web-site as well as order it. Have a nice study.

Leonie Blazek:

Beside this particular Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases in your phone, it could give you a way to get more close to the new knowledge or information. The information and the knowledge you can got here is fresh from oven so don't end up being worry if you feel like an aged people live in narrow village. It is good thing to have Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases because this book offers for you readable information. Do you sometimes have book but you don't get what it's interesting features of. Oh come on, that will not end up to happen if you have this within your hand. The Enjoyable option here cannot be questionable, like treasuring beautiful island. Techniques you still want to miss this? Find this book along with read it from at this point!

Charlotte Neville:

Do you like reading a reserve? Confuse to looking for your selected book? Or your book had been rare? Why so many concern for the book? But just about any people feel that they enjoy regarding reading. Some people likes reading through, not only science book but additionally novel and Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases as well as others sources were given information for you. After you know how the great a book, you feel want to read more and more. Science publication was created for teacher or students especially. Those books are helping them to add their knowledge. In other case, beside science e-book, any other book likes Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases to make your spare time considerably more colorful. Many types of book like this.

Download and Read Online Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio #7ZCQVAFX5LE

Read Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio for online ebook

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio books to read online.

Online Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio ebook PDF download

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio Doc

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio Mobipocket

Redox Proteomics: From Protein Modifications to Cellular Dysfunction and Diseases From Dominic M Desiderio EPub