DESCRIPTION

This beautifully illustrated textbook provides a clear guide to the tools and techniques of genetic engineering, gene cloning and molecular biology. All aspects of genetic engineering in the post-genomic era are covered, beginning with the basics of DNA structure and DNA metabolism. Using an example-driven approach, the fundamentals of creating mutations in DNA, cloning in bacteria, yeast, plants and animals are all clearly presented.

Strong emphasis is placed on the latest, post genomic technologies including DNA macro and microarrays, genome-wide two hybrid analysis, proteomics and bioinformatics.

• A modern post-genome era introduction to key techniques used in genetic engineering.

• An example driven past-to-present approach to allow the experiments of today to be placed in an historical context

• The book is beautifully illustrated in full-colour throughout.

• Associated website including updates, additional content and illusions
ABOUT THE AUTHOR

Richard J. Reece is the author of Analysis of Genes and Genomes, published by Wiley.

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FEATURES

• A modern post-genome era textbook

• Takes students with a basic knowledge of the molecular side of biology to a deeper understanding of the complexities and capabilities of the latest post-genomic technologies

• Emphasis on modern techniques but addressed from an example-driven perspective, ensuring that students do not get lost in the technology

• Clear, crisp and informative full-colour illustrations to help students grasp key concepts and complex topics

• An associated website includes illustrations, updates and extra content

For additional product details, please visit https://www.wiley.com/en-us