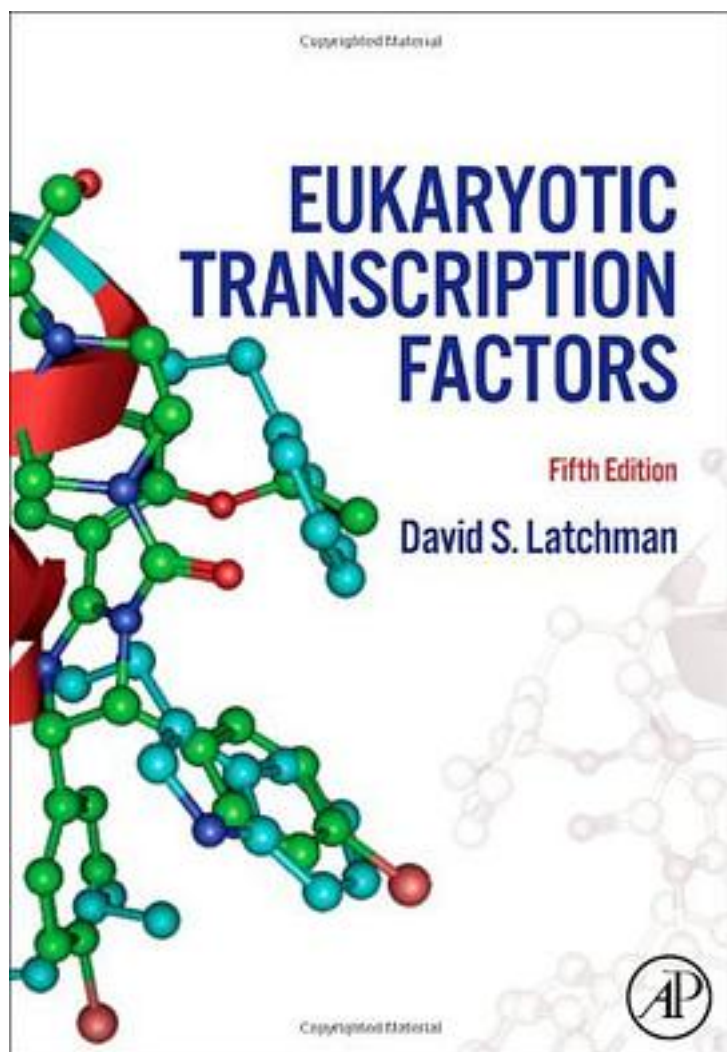


Eukaryotic Transcription Factors, Fifth Edition



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著者:David S. Latchman

出版者:

出版时间:2007-10

装帧:

isbn:9780123739834

在线阅读本书

Transcription, or the process by which DNA produces RNA, is a central aspect of gene expression. Transcription factors regulate transcription during development and in disease states. As such, it is critical for researchers to gain a good understanding of the relationship between the structure of various families of transcription factors and their function, as well as roles in human disease. Since publication of the Fourth Edition, there have been major advances, notably in the areas of chromatin remodeling and genome-scale analyses. This complete update includes all new coverage of the latest developments, from enabling genomic technologies to studies on the importance of post-translational modifications beyond phosphorylation events.

Brand new coverage in this edition includes:

- * Potential of transcription factors as therapeutic targets in human disease
- * Importance of histone modifications
- * Use of genome-based sequence analysis and high-throughput methods
- * Applications of the chromatin immunoprecipitation (ChIP) assay
- * Transcriptional elongation
- * Regulation by post-translational modifications
- * Regulatory networks and bioinformatics

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