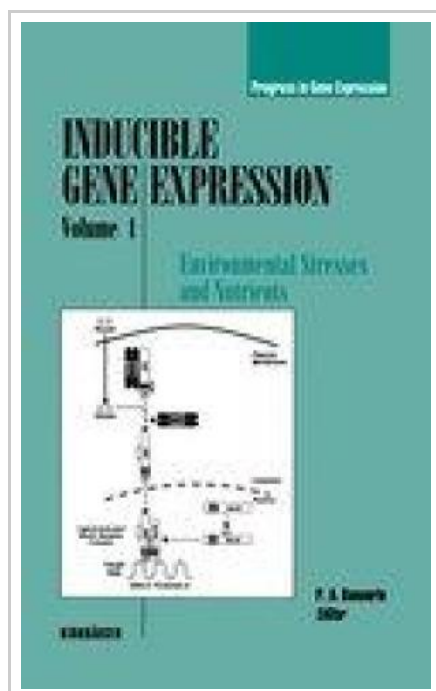




Inducible Gene Expression, Volume 1

By P. A. Baeuerle

Birkhäuser Mrz 2012, 2012. Taschenbuch. Book Condition: Neu. 235x155x mm. This item is printed on demand - Print on Demand Neuware - Cells have evolved multiple strategies to adapt the composition and quality of their protein equipment to needs imposed by changes in intra- and extracellular conditions. The appearance of proteins transmitting novel functional properties to cells can be controlled at a transcriptional, posttranscriptional, translational or posttranslational level. Extensive research over the past 15 years has shown that transcriptional regulation is used as the predominant strategy to control the production of new proteins in response to extracellular stimuli. At the level of gene transcription, the initiation of mRNA synthesis is used most frequently to govern gene expression. The key elements controlling transcription initiation in eukaryotes are activator proteins (transactivators) that bind in a sequence-specific manner to short DNA sequences in the of genes. The activator binding sites are elements of larger proximity control units, called promoters and enhancers, which bind many distinct proteins. These may synergize or negatively cooperate with the activators. The de novo binding of an activator to DNA or, if already bound to DNA, its functional activation is what ultimately turns on a high-level...



READ ONLINE
[6.49 MB]

Reviews

An extremely wonderful book with lucid and perfect information. It is one of the most awesome publication i have read. Your life period will probably be enhance the instant you total looking at this pdf.

-- Prof. Dan Windler MD

It is really an amazing publication i actually have at any time read. It is really simplistic but unexpected situations inside the 50 percent of your pdf. Its been written in an exceptionally simple way in fact it is just right after i finished reading this ebook where actually transformed me, alter the way i really believe.

-- Dr. Celestino Spinka III