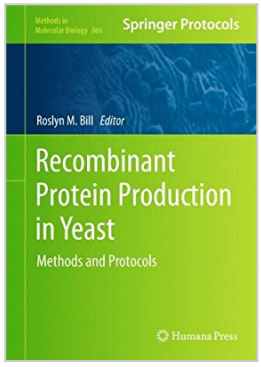

Recombinant Protein Production in Yeast: Methods and Protocols (Methods in Molecular Biology, Vol. 866)

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In the last few years, significant advances have been made in understanding how a yeast cell responds to the stress of producing a recombinant protein, and how this information can be used to engineer improved host strains. The molecular biology of the expression vector, through the choice of promoter, tag and codon optimization of the target gene, is also a key determinant of a high-yielding protein production experiment. *Recombinant Protein Production in Yeast: Methods and Protocols* examines the process of preparation of expression vectors, transformation to generate high-yielding clones, optimization of experimental conditions to maximize yields, scale-up to bioreactor formats and disruption of yeast cells to enable the isolation of the recombinant protein prior to purification. Written in the highly successful *Methods in Molecular Biology*™ series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and key tips on troubleshooting and avoiding known pitfalls.

Authoritative and practical, *Recombinant Protein Production in Yeast: Methods and Protocols*, seeks to aid scientists in adopting yeast as a protein production host.

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Editorial Review

From the Back Cover

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