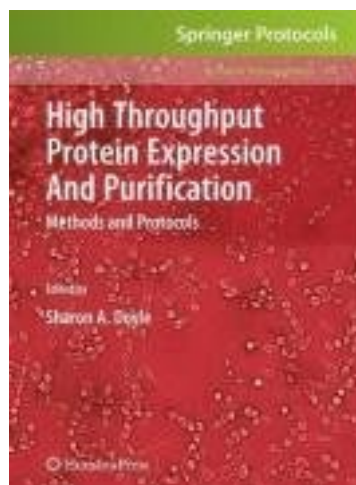


# High Throughput Protein Expression and Purification



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Despite exciting advances in genome sequencing, isolating a protein from its expression system in its native form still presents a complex challenge. In High Throughput Protein Expression and Purification: Methods and Protocols, leading scientists detail the most successful protocols currently in use, including various high throughput cloning schemes, protein expression analysis, and production protocols. This volume describes the use of *E. coli*, insect, and mammalian cells, as well as cell-free systems for the production of a wide variety of proteins, including glycoproteins and membrane proteins, in order to best represent strategies that create and exploit common features to enable simplified cloning, stable expression, and purification of proteins. Written in the highly successful Methods in Molecular Biology(t) series format, the chapters present brief introductions to the subject, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and a Notes section for tips on troubleshooting and avoiding known pitfalls. Cutting-edge and comprehensive, High Throughput Protein Expression and

Purification: Methods and Protocols is an ideal reference for protein biochemists and all those who wish to apply these easy-to-use protocols to the many applicable fields.

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