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## Enzyme Stabilization and Immobilization: Methods and Protocols (Hardback)

By -

Humana Press Inc., United States, 2010. Hardback. Condition: New. 2011. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. In the past decade, researchers have made tremendous progress in the field of enzyme stabilization, opening up new opportunities for enzymes in molecular biology and for industrial applications. In Enzyme Stabilization and Immobilization: Methods and Protocols, expert researchers explore the latest developments through detailed laboratory protocols, which address many different theories and techniques in enzyme stabilization. Chapters outline protocols for enzyme stabilization in solutions, including: liposome formation, micelle introduction, crosslinking, and additives. Secondly, the book contain protocols for enzyme stabilization via enzyme immobilization, such as sol-gel encapsulation, polymer encapsulation, and single enzyme nanoparticle formation. Composed in the highly successful Methods in Molecular Biology (TM) series format, each chapter contains a brief introduction, step-by-step methods, a list of necessary materials, and a Notes section which shares tips on troubleshooting and avoiding known pitfalls. Comprehensive and current, Enzyme Stabilization and Immobilization: Methods and Protocols is an essential handbook for all molecular biologists, biochemists, and biomedical and biochemical engineers.



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