

MicroRNA Protocols

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Extensive studies have been conducted on the identification, biogenesis, and processing of microRNA (miRNA) as well as research on the exact mechanism by which miRNAs bring about translational silencing of their targets. In addition, numerous publications point to an important role of miRNAs in development, reprogramming, epigenetics, pathogenesis of cancer, oncogenes and tumor suppressors, biomarkers of various disease onset, and regulation of adipogenesis and obesity; yet many questions still remain. In *MicroRNA Protocols, Second Edition*, experts in the field provide up-to-date coverage of this diverse area of study. The specific chapters of this edition are related to the analysis of miRNA, targets and expression profiling, various methods to determine its regulation of gene expression, the preparation and isolation of miRNAs in specific tissues, its detection in the saliva, and potential application in cosmetics, wound healing, and prostate cancer. 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 tips on troubleshooting and known pitfalls.

Fully updated and easy to use, *MicroRNA Protocols, Second Edition* aims to stimulate readers to explore diverse ways to understand the mechanisms in which miRNAs facilitate the molecular aspects of not only biomedical research but also a wide range of other research fields.

Microrna Protocols by Shao-yao Ying - 9781493962617 - This detailed book provides a comprehensive state-of-the-art presentation of all aspects of miRNA target identification, from the prediction of microRNA maturation -- Methods and Protocols - Gene - MicroRNA Protocols Astrovirus Ppt - comprensivovr02.it - Protocols, applications, and handy tips for transfection success siRNA and miRNA can only be stably transfected when they are delivered as short hairpin Novel microRNA Cloning

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