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Altri autori (Persone)	SpirinA. S (Aleksandr Sergeevich) SwartzJames R
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Nota di contenuto	Cell-free Protein Synthesis; Contents; Preface; List of Contributors; 1 Cell-free Protein Synthesis Systems: Historical Landmarks, Classification, and General Methods; 1.1 Introduction: Historical Landmarks; 1.1.1 Discovery of Protein Synthesis in Cell Extracts; 1.1.2 Translation of Exogenous Messages; 1.1.3 Coupled Transcription-translation in Bacterial Extracts; 1.1.4 Combined Transcription-translation Systems; 1.1.5 Continuous Flow/Continuous Exchange Principle; 1.2 Prokaryotic and Eukaryotic Types of Cell-free Expression Systems; 1.2.1 Cell Extracts; 1.2.1.1 E. coli extract (ECE) 1.2.1.2 Wheat Germ Extract (WGE)1.2.1.3 Rabbit Reticulocyte Lysate (RRL); 1.2.2 Genetic Constructs (Expression Vectors); 1.2.2.1 Prokaryotic Systems; 1.2.2.2 Eukaryotic Systems; 1.3 Preparing Cell

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Sommario/riassunto

With its detailed description of membrane protein expression, high-throughput and genomic-scale expression studies, both on the analytical and the preparative scale, this book covers the latest advances in the field. The step-by-step protocols and practical examples given for each method constitute practical advice for beginners and experts alike.