



Manipulation and Expression of Recombinant DNA

Sue Carson, Dominique Robertson

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This manual is an indispensable tool for introducing advanced undergraduates and beginning graduate students to the techniques of recombinant DNA technology, or gene cloning and expression. The techniques used in basic research and biotechnology laboratories are covered in detail. Students gain hands-on experience from start to finish in subcloning a gene into an expression vector, through purification of the recombinant protein.

The second edition has been completely re-written, with new laboratory exercises and all new illustrations and text, designed for a typical 15-week semester, rather than a 4-week intensive course. The "project" approach to experiments was maintained: students still follow a cloning project through to completion, culminating in the purification of recombinant protein. It takes advantage of the enhanced green fluorescent protein-students can actually visualize positive clones following IPTG induction.

- *Cover basic concepts and techniques used in molecular biology research labs
- *Student-tested labs proven successful in a real classroom laboratories
- *Exercises simulate a cloning project that would be performed in a real research lab
- *"Project" approach to experiments gives students an overview of the entire process
- *Prep-list appendix contains necessary recipes and catalog numbers, providing staff with detailed instructions

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Frank Wimmer:

A lot of people always spent all their free time to vacation as well as go to the outside with them friends and family or their friend. Were you aware? Many a lot of people spent that they free time just watching TV, or even playing video games all day long. In order to try to find a new activity that is look different you can read a new book. It is really fun to suit your needs. If you enjoy the book that you just read you can spent the whole day to reading a publication. The book Manipulation and Expression of Recombinant DNA it is quite good to read. There are a lot of those who recommended this book. These folks were enjoying reading this book. In the event you did not have enough space bringing this book you can buy typically the e-book. You can m0ore effortlessly to read this book from your smart phone. The price is not too expensive but this book offers high quality.

Cliff Boyd:

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