Introduction to Protein Structure

Carl Branden, John Tooze
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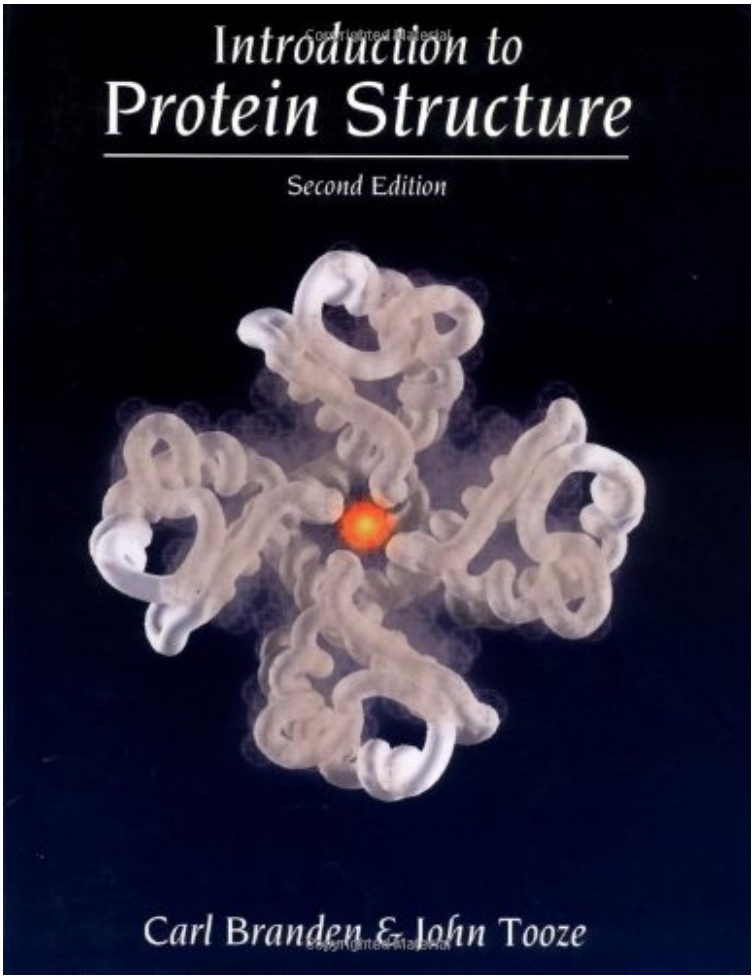

#305441 in Books Garland Science 1999-01-03Original language:EnglishPDF # 1 .66 x 8.41 x 10.88l, 1.85 #File Name: 0815323050410 pages | File size: 22.Mb

Carl Branden, John Tooze : Introduction to Protein Structure before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Protein Structure:

3 of 3 people found the following review helpful. Basics of Protein Structure - Great for revision!By ROB BROWNI used this book a lot for one of my undergraduate courses three years back. It's excellent at explaining the fundamentals of protein structure, it's written very clearly and the diagrams are easy to understand and appropriate. I found it particularly useful when studying immunology, the explanation of immunoglobulin structure, splicing, and mechanism of action was better than some of the other textbooks I used from the library. I finally bought a copy as reference and to aid revision of some basics while applying for research associate positions within the biochemistry field.1 of 1 people found the following review helpful. Great Introduction to Protein Strucutre for NoviceBy James NilandI bought this book to improve my play on fold.itI am interested in science but have no qualifications in it.This book is VERY approachable even for an uneducated person like me.Also it has improved my understanding of protein structures a lot

and my score on fold.it :O)2 of 4 people found the following review helpful. A Good Introduction to Protein StructureBy Gong ChengThis is a good protein structure book with a lot of intuitive cartoons on that. The major deficiency of the book is that it is slightly outdated because structural biology continuous making progress in recent years. There are very little in depth analysis based on the physical chemistry of protein, so it doesn't provide more insight into how protein functions. I give it 4 star because the pictures are really gorgerous.

Introduction to Protein Structure provides an account of the principles of protein structure, with examples of key proteins in their biological context generously illustrated in full-color to illuminate the structural principles described in the text. The first few chapters introduce the general principles of protein structure both for novices and for non-specialists needing a primer. Subsequent chapters use specific examples of proteins to show how they fulfill a wide variety of biological functions. The book ends with chapters on the experimental approach to determining and predicting protein structure, as well as engineering new proteins to modify their functions.

About the Author Carl Branden was educated at Uppsala University (PhD) and the MRC Laboratory for Molecular Biology, Cambridge, where he was a postdoctoral fellow in the laboratory of J.C. Kendrew. He has pursued a career in basic research, science administration (as science advisor to the Swedish Government), and biotechnology. Formerly Research Director of the European Synchrotron Radiation Facility in Grenoble, France, he is now at the Microbiology and Tumor Biology Center at the Karolinska Institute in Stockholm. A protein crystallographer with a distinguished academic career in research and teaching, he has made major contributions to the understanding of many biological structures, and is an editor of Structure. John Tooze was educated at Cambridge University (MA), London University (PhD) and Harvard University (where he was a postdoctoral fellow in the laboratory of J.D. Watson). After several years in basic research, he moved principally into science administration and science publishing, notably as the executive secretary of the European Molecular Biology Organisation, Heidelberg, Germany. He is currently Director of Support Services at the Imperial Cancer Research Fund Laboratories, London, and editor of EMBO Journal. A molecular biologist, his previous books include Molecular Biology of Tumor Viruses, The DNA Story (with J.D. Watson) and the very successful first edition of Recombinant DNA: A Short Course (with J.D. Watson and D.T. Kurtz).