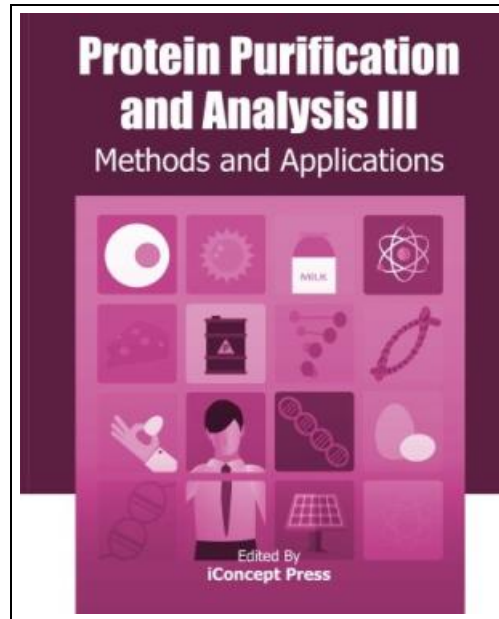


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Reviews

Complete guide! Its this kind of very good read through. I really could comprehend almost everything out of this written e publication. Your lifestyle span is going to be transform the instant you complete looking over this book.
(Reilly Keebler IV)

PROTEIN PURIFICATION AND ANALYSIS III: METHODS AND APPLICATIONS



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Iconcept Press, United States, 2014. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.Proteins are biochemical compounds consisting of one or more polypeptides typically folded into a globular or fibrous form, facilitating a biological function. A polypeptide is a single linear polymer chain of amino acids bonded together by peptide bonds between the carboxyl and amino groups of adjacent amino acid residues. The sequence of amino acids in a protein is defined by the sequence of a gene, which is encoded in the genetic code. The complexity and sheer number of proteins in a cell are impediments to identifying proteins of interest or purifying proteins for function and structure analysis. Thus, reducing the complexity of a protein sample or in some cases purifying a protein to homogeneity is necessary. Protein Purification and Analysis discusses various aspects related to protein analysis. There are totally three volumes. This book is the last volume. Chapter 1 describes in vivo and ex vivo approaches for determining the role of an olfactory receptor protein in the detection of its cognate agonist and various analogs. Surprising responses of the olfactory receptor to unrelated compounds is also discussed. Chapter 2 reviews the recent studies on the features of PTEN in the signalling pathways involved in several diseases as emerging evidences suggest that PTEN enzymatic activity will not cover the entire mechanism of the ability. Chapter 3 proposes site-directed mutagenesis approach for determining the structure-function relationships of neurotransmitter transporters. Both the benefits and limitations are discussed. In addition, basic methods and related experimental protocols for the site-directed mutagenesis study are reviewed. Chapter 4 proposes a new approach for the structural-functional analysis of G protein-coupled receptors and heterotrimeric G proteins, which is based on the use of synthetic peptides...



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