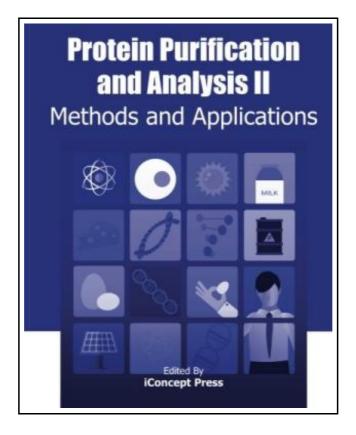
# Protein Purification and Analysis II: Methods and Applications



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### Reviews

Absolutely essential go through publication. Yes, it really is engage in, nevertheless an amazing and interesting literature. Its been developed in an exceptionally straightforward way and it is simply following i finished reading this publication through which actually changed me, change the way i really believe.

(Vergie Hyatt)

## PROTEIN PURIFICATION AND ANALYSIS II: METHODS AND APPLICATIONS



Iconcept Press, United States, 2014. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book. 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 varies aspect related to protein analysis. There are totally three volumes. This book is the second volume. Chapter 1 describes protein-based methods for the analysis of plant alcohol dehydrogenases. Chapter 2 demonstrates production of recombinant fungal cell wall-degrading enzymes and their tag-affinity purification and biochemical analyses. Cell wall-degrading enzymes act on cleaving glycosidic bonds of polysaccharides and oligosaccharides, affecting morphological changes, plant-microbe interactions and nutrient acquisition. Chapter 3 contains a number of methodologies including recombinant protein purification and analysis, enzymatic reporter assays and fluorescent tag detection. Chapter 4 allows the reader to become acquainted with methods of recombinant expression, purification and determination of the level of activity of staphylococcal epidermolytic toxins. Chapter 5 discussed the recombinant expression, purification and biochemical analysis of a variety of extremophilic enzymes with potential industrial application. Chapter 6 discusses tellurite, which is highly toxic for most living organisms. The chapter describes how the mechanism by which this oxyanion exerts its toxicity can be assessed by...



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