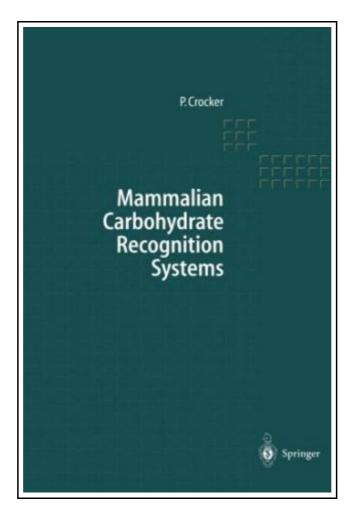
Mammalian Carbohydrate Recognition Systems



Filesize: 7.76 MB

Reviews

This book is definitely worth purchasing. Indeed, it is actually perform, continue to an interesting and amazing literature. You may like how the blogger compose this publication.

(Gust Mayert V)

MAMMALIAN CARBOHYDRATE RECOGNITION SYSTEMS



Book Condition: New. Publisher/Verlag: Springer, Berlin | In the last decade there has been a great expansion in our knowledge of the existence, nature and functions of mammalian carbohydrate binding proteins. This book covers the structures and postulated functions for the major classes of mammalian carbohydrate binding proteins. These include intracellular lectins involved in diverse functions such as protein synthesis quality control, targetting of lysosomal enzymes and in the secretory pathway. In addition, several chapters are devoted to other major families of lectins that are found at the cell surface or in extracellular fluids which are involved in various recognition functions such as cell-cell interactions in inflammation and recognition of pathogen carbohydrates in host defence. | Lectins of the ER Quality Control Machinery.- 1 Introduction.- 2 Structural Aspects.- 3 Calnexin and Calreticulin in Quality Control of Glycoprotein Folding.- 4 Calnexin and Calreticulin in Glycoprotein Degradation.- 5 Regulation of Calnexin/Calreticulin-Substrate Interaction.- 5.1 Modifications of the Luminal Domain.- 5.2 Alterations of the Cytosolic Tail.- 6 Conclusions.- References.-MR60/ERGIC-53, a Mannose-Specific Shuttling Intracellular Membrane Lectin.- 1 Discovery.- 2 Structural Features.- 3 Intracellular Mannose-Specific Animal Lectins Are Homologous to Leguminous Plant Lectins.- 4 Oligomerization and Sugar Binding Activity.- 5 Cytological Features.- 6 Deciphering the Role of MR60/ERGIC-53: Looking for Highly Specific Oligosaccharide and Natural Glycoprotein Ligands.- 7 Concluding Remarks.-References.- The Cation-Dependent Mannose 6-Phosphate Receptor.- 1 Introduction.- 2 Intracellular Trafficking of the MPRs and Lysosomal Enzymes.- 2.1 Generation of the Mannose 6-Phosphate Recognition Marker.- 2.2 Subcellular Distribution of the MPRs.- 2.3 Targeting Signals in the Cytoplasmic Region of the MPRs.- 3 Primary Structure and Biosynthesis of the CD-MPR.- 3.1 Primary Structure.- 3.2 Genomic Structure.- 3.3 Oligomeric Structure.- 3.4 Co- and Post-Translational Modifications.- 3.4.1 Acylation.- 3.4.2 Phosphorylation.- 3.4.3 Glycosylation.- 4 Carbohydrate Recognition by the CD-MPR.- 4.1 Lysosomal Enzyme Recognition.- 4.2 Expression of Mutant Forms of...



Read Mammalian Carbohydrate Recognition Systems Online Download PDF Mammalian Carbohydrate Recognition Systems

Other PDFs



Would It Kill You to Stop Doing That?

Book Condition: New. Publisher/Verlag: Little, Brown Book Group | A Modern Guide to Manners | A laugh-out-loud guide to modern manners by acclaimed humorist, author, and Vanity Fair columnist Henry Alford. | A few years...

Read Book »



Depression: Cognitive Behaviour Therapy with Children and Young People

Taylor Francis Ltd, United Kingdom, 2009. Paperback. Book Condition: New. 242×174 mm. Language: English . Brand New Book. In recent years there has been an increase in research into childhood depression, and it...

Read Book »



Violet Rose and the Surprise Party

Book Condition: New. Publisher/Verlag: Nosy Crow | With activities, 3D press-out models and over 175 stickers! Plus free games and printables online! | When busy rabbit, Violet Rose, discovers that her friend Lily has a...

Read Book »



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

Read Book »



The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. After six years as a private investigator, Stacey Alexander has the strangest day...

Read Book »



Read Write Inc. Phonics: Blue Set 6 Storybook 3 Hairy Fairy

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 210 x 148 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read **Download Book** »



Read Write Inc. Phonics: Pink Set 3 Non-Fiction 4 Light and Shadow

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 153 x 88 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books

Download Book »



Fox on the Job: Level 3

Penguin Putnam Inc, United States, 2004. Paperback. Book Condition: New. James Marshall (illustrator). Reissue. 224 x 150 mm. Language: English . Brand New Book. Using their cache of already published easy-to-read books, Puffin launched their

Download Book »



DK Readers Disasters at Sea Level 3 Reading Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 32 pages. Dimensions: 8.8in. x 5.7in. x 0.2in. From fog, ice, and rocks to cannon fire and torpedo attacks--read the story of five doomed sea voyages and the fate

Download Book »



DK Readers Invaders From Outer Space Level 3 Reading Alone

DK CHILDREN. Paperback. Book Condition: New. Paperback. 48 pages. Dimensions: 8.9in. x 5.9in. x 0.1in.Are aliens from other planets visiting Earth Read these amazing stories of alien encounters -- and make up your own mind!

Download Book »