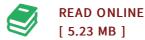




Interaction of Cdc2 with the Origin Recognition Complex at Origins of Replication in Schizosaccharomyces Pombe

By Michael Sassen

GRIN Verlag Jul 2007, 2007. Taschenbuch. Book Condition: Neu. 210x148x3 mm. This item is printed on demand - Print on Demand Neuware - Research Paper from the year 2004 in the subject Biology - Genetics / Gene Technology, grade: 1,0, TU Bergakademie Freiberg, 34 entries in the bibliography, language: English, abstract: Eukaryotic DNA replication depends on the origin recognition complex (ORC) which is conserved from yeast to humans. Activity of replication factors including ORC is coordinated with the cell cycle progression to ensure that the entire genome is copied exactly once per cell cycle. This coordination depends on Cdc2 (cell division cycle 2), also highly conserved across all eukaryotes, which binds to the origin recognition complex. This book presents research results of the chromatin cross-linking immuno-precipitation (ChIP) procedure to determine (1) if Cdc2 kinase is localized at DNA replication origin as predicted by current models, (2) when this happens and (3) what the genetic requirements for that localization are. Furthermore the binding ability of different ORC and cdc2 mutants was tested, as well as the influence of Cdc18 on the ORC-Cdc2 interaction. This is particularly interesting, since those regulations ensure genome stability. Studying these pathways in yeast gives us insights...



Reviews

Merely no words to spell out. It is amongst the most awesome publication i have read. Your life span will likely be transform as soon as you full reading this book.

-- Marvin Okuneva

Completely among the best publication I have got at any time go through. I have got go through and so i am confident that i will likely to read again once more down the road. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- Zachery Mertz

Other Books



Games with Books: 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.



Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities

HarperCollins Publishers Inc, United States, 2016. Paperback. Book Condition: New. Reprint. 203 \times 135 mm. Language: English . Brand New Book. An international bestseller, Barbara Coloroso s groundbreaking and trusted guide on bullying-including cyberbullying-arms parents and teachers with real solutions for a...



Games with Books: Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.



Growing Up: From Baby to Adult High Beginning Book with Online Access

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.



Some of My Best Friends Are Books : Guiding Gifted Readers from Preschool to High School

Book Condition: Brand New. Book Condition: Brand New.



History of the Town of Sutton Massachusetts from 1704 to 1876

Createspace, United States, 2015. Paperback. Book Condition: New. annotated edition. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. This version of the History of the Town of Sutton Massachusetts from 1704 to 1876 is a labor...