Record Nr. UNINA9910877514903321 The septins / / edited by Peter A. Hall, S.E. Hilary Russell and John R. **Titolo** Pringle Pubbl/distr/stampa Oxford;; Hoboken, NJ,: John Wiley-Blackwell, 2008 **ISBN** 1-282-35009-9 9786612350092 0-470-77970-5 0-470-77969-1 Descrizione fisica 1 online resource (390 p.) Altri autori (Persone) HallPeter <1936-1996.> RussellS. E. Hilary PringleJohn R. <1943-> Disciplina 571.84 572.6 Soggetti Septins **Proteins** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto The Septins; Contents; Authors and Affiliations; An introduction to the septins: Section I Setting the scene: Chapter 1 Origins and development of the septin field; Chapter 2 Evolution and conserved domains of the septins; Section II Septins in model systems; Chapter 3 Biochemical properties and supramolecular architecture of septin hetero-oligomers and septin filaments; Chapter 4 Yeast septins: a cortical organizer; Chapter 5 Septins in four model fungal systems: diversity in form and function; Chapter 6 Septins in the metazoan model systems Drosophila melanogaster and Caenorhabditis elegans

function; Chapter 6 Septins in the metazoan model systems Drosophila melanogaster and Caenorhabditis elegans
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""The authors represent most of the key figures and the work and the book as a whole is an essential reference for the newcomer or specialist in this area and for any student of eukaryotic cell structure and function. This is an important and wonderful reference."" -Microbiology Today, May 2009 Septins are an evolutionarily conserved group of GTP-binding and filament-forming proteins that were originally discovered in yeast. Once the preserve of a small band of yeast biologists, the field has grown rapidly in the past few years and now encompasses the whole of animal and fun