

Macromolecular Protein Complexes IV

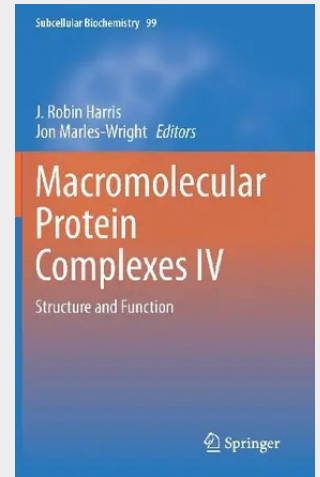
Structure and Function

This book covers the latest findings of a wide variety of viral, prokaryotic and eukaryotic macromolecular protein complexes and builds upon the solid macromolecular foundations established by previous volumes of the *Subcellular Biochemistry* series. Thus, an almost encyclopaedic coverage of the broad field of protein complex structure and function has been established.

The 17 interesting chapters included in this book have been organised into four sections: Soluble Protein Complexes, Membrane Protein Complexes, Fibrous Protein Complexes and Viral Protein Complexes. Significant topics present here are: Fatty Acid Synthase, the Fork Protection Complex, Ribonucleotide Reductase, the Kinetochore, G proteins, the FtsEX Complex, the Kainate Receptor, the Photosystem I-antenna, the Mycobacterial Arabinofuranosyltransferases, the the Bacterial Flagellum, the Actomyosin Complex, Motile Cilia, SLS Collagen Polymorphic Structures, and the Reovirus Capsid and Polymerase. Up-dates/expansion of chapter topics present in earlier volumes are now included in chapters here, e.g., those on Ferritin-like proteins and the Multi-tRNA Synthetase.

The book is richly illustrated throughout, the result of an impressive integration of structural data from X-ray crystallography and cryo-electron microscopy. The functional aspects of protein-protein interactions are also given a high priority.

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**106,99 €**

99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783031007927**Medium:** Buch**ISBN:** 978-3-031-00792-7**Verlag:** Palgrave Macmillan**Erscheinungstermin:** 25.09.2022**Sprache(n):** Englisch**Auflage:** 1. Auflage 2022**Serie:** Subcellular Biochemistry**Produktform:** Gebunden**Gewicht:** 998 g**Seiten:** 552**Format (B x H):** 160 x 241 mm