Record Nr. UNINA9910140594903321 Advances in enzymology and related areas of molecular biology. **Titolo** Volume 75. Protein evolution [[electronic resource] /] / edited by Erich J. Toone Hoboken, N.J., : Wiley, c2007 Pubbl/distr/stampa **ISBN** 0-471-22446-4 0-470-89132-7 Descrizione fisica 1 online resource (334 p.) Collana Advances in enzymology and related areas of molecular biology;; v. 75 Altri autori (Persone) TooneEric J Disciplina 612.0151 Soggetti Proteins - Evolution Protein engineering Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto ADVANCES IN ENZYMOLOGY AND RELATED AREAS OF MOLECULAR BIOLOGY Volume 75; CONTENTS; Contributors; Preface; Abstracts; Molecular Paleoscience: Systems Biology from the Past; A Structure-Centric View of Protein Evolution, Design, and Adaptation; Mechanisms of Protein Evolution and Their Application to Protein Engineering; Novel Enzymes Through Design and Evolution; Author Index; Subject Index Advances in Enzymology and Related Areas of Molecular Biology covers Sommario/riassunto the advances in enzymology, explaining the behavior of enzymes and how they can be utilized to develop novel drugs, synthesize known and novel compounds, and understand evolutionary processes.