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Titolo	Proteins / / Elsevier Science (Firm)
Pubbl/distr/stampa	New York, N.Y., : Infobase, [2006], c1994
Descrizione fisica	1 streaming video file (37 min.) : sd., col., digital file
Collana	Investigations in Microbiology
Soggetti	Microbial diversity Microorganisms Educational films. Internet videos. Videorecording
Lingua di pubblicazione	Inglese
Formato	Videoregistrazione
Livello bibliografico	Monografia
Nota di contenuto	Essential Molecules (1:39) -- Enzymes Catalyze Reactions (2:13) -- DNA Polymerase in Cell Division (1:36) -- Hemoglobin Carries Oxygen (0:56) -- Protein Classes: Globular and Structural Proteins (1:41) -- Amino Acids (1:26) -- Protein Synthesis and Structure (2:37) -- Diversity of Protein Structures (3:26) -- Bacteriorhodopsin Structure and Function (8:30) -- The Bacteriorhodopsin Pump Cycle (10:32)
Sommario/riassunto	Proteins, the essential biochemical foundation of the cell, fulfill a variety of tasks within the human body. This program provides insights into their structure and several of their functions, including their role in catalytic biochemical reaction and reproduction. How proteins recognize the "packaging" of smaller molecules is explored. Using a photosynthetic protein-a proton pump-as an example, excellent computer simulation shows the proteins at work, moving an atom through the system.