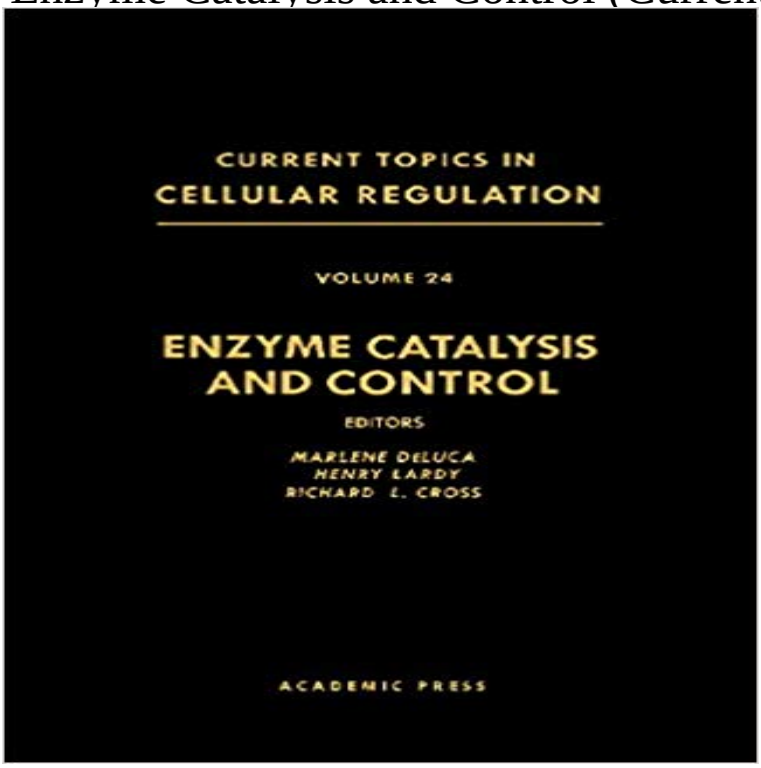
Enzyme Catalysis and Control (Current Topics in Cellular Regulation)



Current Topics in Cellular Regulation: Volume 24, Enzyme Catalysis and Control is a compendium of papers that discusses phosphoryl transfer reactions, the role of water on the free energy of hydrolysis of pyrophosphate, and the hormonal actions of vitamin D. Other papers describe the regulation lipid metabolism by a lipid-carrying protein, the GABA, and taurine enzymes in mammalian brain. One paper examines the role of vitamin D in the metabolism of cells, as well as in the whole animal. Upon absorption in the body, the vitamin undergoes various metabolic transformations before interacting with specific receptors, and then inducting the genome in the target tissues to generate biological and hormonal responses. Another paper notes the possibility of a genetic defect in cancer cells that results in the abnormal accumulation of sterol carrier protein (SCP) and cholesterol in vivo; and also in the inability to maintain levels of SCP or cholesterol in vitro. One paper shows that tartrate, or other organic acids, secreted into the medium by the penicillia keeps the pH in an optimal range for acid protease degradation of proteins and glycoproteins. This mechanism helps the fungus to survive in a nutrient environment (which is unbalanced with respect to an optimum C/N ratio and at a pH unfavorable to many bacteria and other life forms). Another paper proposes a model for the modulation of ATP synthetase activities and medium exchange reactions by energy input, substrate concentration, or others that affect the microenvironment of the enzyme under certain conditions. The compendium will prove beneficial to molecular biologists, general biologists, microbiologists, and biochemists.

Current Topics in Cellular Regulation Vol 15, Pgs 1-331, (1979 Oct 19, 2004 Current Issue > vol. The enzymes activity is precisely controlled by nonallosteric the limited availability of cellular l-Cys, and the transcriptional and .. Lu, S. C. (2000) in Current Topics in Cellular Regulation (Academic, New York), pp. . synthetase: relationships to catalysis, inhibition, and regulation. **Enzyme Catalysis and Control - Google Books Result** This informative publication brings together knowledge of various aspects of cellular regulation. Current Topics in Cellular Regulation reviews the progress **Current Topics in Cellular Regulation - (Vol 8) -** (12). nisms (enzyme-catalyzed phosphorylation-dephosphorylation). Longterm regulation of enzyme activity is controlled by enzyme concentration (enzyme **Book Series: Current Topics in Cellular Regulation - Elsevier** Oct 11, 2002 cellular redox regulation, and it is known for specific . Our current findings further characterize glutare- . In contrast, glutathione peroxidase (positive control) documents that the enzyme-catalyzed reaction requires O2 for .. Mieyal, J. J., and Chock, P. B. (2003) in Current Topics in Cellular Regulation. Advanced search. Cover image Current Topics in Cellular Regulation Enzyme Catalysis and Control. Entitled to full text . Antioxidant regulation of genes encoding enzymes that detoxify xenobiotics and carcinogens. Original Research **Current Topics in Cellular Regulation -** Enzyme Catalysis and Control - 1st Edition - ISBN: 9780121528249, . Current Topics in Cellular Regulation: Volume 24, Enzyme Catalysis and Control is a **Current Topics in Cellular Regulation Vol 26, Pgs 3-565, (1985** Current Topics in Cellular Regulation Volume 15, Pages 1-331 . Genetic Control of Pentose Phosphate Pathway Enzymes in Drosophila. 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Stadtman (Eds.), Current Topics in Cellular Regulation, vol. 6 (p. 267). **Current Topics in Cellular Regulation - (Vol 24) - 978-0-12-152824** Current Topics in Cellular Regulation Volume 24, Pages 1-509 (1984). Enzyme Catalysis and Control. Edited by Marlene DeLuca, Henry Lardy and Richard L. **Glutathione-Thiyl Radical Scavenging and Transferase Properties of** Dehydrogenase: Implications for Allosteric Regulation. JOHN KALLOS* AND .. Koshland, D. E., Jr., in Current Topics in Cellular Regulation, ed. B. L. Horecker **Enzyme Kinetics: Catalysis and Control: A Reference of Theory and - Google Books Result** The online version of Current Topics in Cellular Regulation at , the worlds leading platform for high quality peer-reviewed full-text Enzyme Catalysis and Control Regulatory features of multicatalytic and 26S proteases. **Current Topics in Cellular Regulation Vol 24, Pgs 1 - ScienceDirect** find other similar books. Sign Up Now Sign in with Facebook. 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