



Expression of the TPI Gene of Saccharomyces Cerevisiae Is Controlled by a Single Complex Upstream Activating Sequence Containing Binding Sites for Three Trans-Acting Factors: Reb1, Rap1, and Gcr1 (Classic Reprint) (Paperback)

By Edward William Scott V

Forgotten Books, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Expression of the Tpi Gene of Saccharomyces Cerevisiae Is Controlled by a Single Complex Upstream Activating Sequence Containing Binding Sites for Three Trans-Acting Factors: Reb1, Rap1, and Gcr1 It has long been known that upon neoplastic transformation incertain types of cancer there is an increase in aerobic glycolysis (warburg, Saccharomyces cerevisiae utilizes aerobic glycolysis to a much greater extent than respiration (lagunas, The enzymatic pathway of glycolysis in yeast is well established. The enzymes of glycolysis, while few in number, compose between 30-60 of the total soluble protein (fraenkel, This observation suggests that the genes encoding these enzymes are among the most highly expressed in yeast. Indeed, mrna encoding glycolytic enzymes has been demonstrated to be a major fraction of total yeast mrna (holland et al., 1977; Holland and Holland, The regulation of the genes encoding the Qlygolytic enzymes is currently receiving much study, but no overall consensus regulatory mechanisms have yet been identified, rather some similarities in regulatory elements and factors have been noted. These similarities will be addressed subsequently. About the Publisher Forgotten Books publishes hundreds of thousands of...



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