1. Record Nr. UNINA9910674395803321 Autore Bommer Ulrich-Axel Titolo Role of TCTP in Cell Biological and Disease Processes Pubbl/distr/stampa Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2021 Descrizione fisica 1 electronic resource (150 p.) Soggetti Research & information: general Biology, life sciences Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Translationally controlled tumor protein (TCTP), also referred to as HRF Sommario/riassunto or fortilin, is a multifunctional protein, expressed in all eukaryotic organisms from protozoa to humans. TCTP is involved in many basic biological processes, such as cell division, growth, and development. It is therefore not surprising that dysregulation of TCTP occurs in various disease processes, such as cardiovascular, allergic, and immune disorders. TCTP's role in cancer-promoting pathways is welldocumented, and the protein is considered a potential target for the design of new anti-cancer strategies. Therefore, an understanding of the core biological functions of TCTP, the mechanisms underlying its cellular regulation, and its involvement in disease processes is important. This book provides a current overview on the basic

disease processes.

biological functions of TCTP and on its role in promoting a range of