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Descrizione fisica	1 online resource (247 p.)
Collana	Protein biochemistry, synthesis, structure and cellular functions
Altri autori (Persone)	YamaguchiMasayoshi <1947->
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Soggetti	Cellular signal transduction Intracellular calcium
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Ca ²⁺ signaling in lower eukaryote / I.V. Shemarova -- Role of calcium in stress mediated signaling in plants / Cheshta Sharma, Amita Pandey, Girdhar K. Pandey -- Calmodulin signaling inside-out : intracellular and extracellular calmodulin and its interaction with a matricellular cysteine-rich calmodulin-binding protein / Danton H. O'Day, Robert Huber, Andres Suarez -- A tale of three proteins : the nucleolar calmodulin-binding protein nucleomorphin and its binding partners calcium-binding protein 4a and puromycin-sensitive aminopeptidase / Danton H. O'Day, Andrew Catalano, Yekaterina Poloz -- Insights into the role of intracellular Ca ²⁺ concentration changes during in vitro chondrogenesis / Csaba Matta ... [et al.] -- Cav2.1 channelopathies and mouse genetic approaches for investigating Cav2.1 channel function and dysfunction / Eiki Takahashi -- Regucalcin : role as a suppressor protein in calcium signaling / Masayoshi Yamaguchi -- Calcium ([Ca ²⁺]) signaling as a key-target for cancer treatment / Ana-Maria Florea, Dietrich Busselberg.
Sommario/riassunto	Signal transduction plays a pivotal role in cellular regulation. The second messenger is generated in cells once the first messenger binds to the receptors of plasma membranes. The second messenger, which was found firstly, is cyclic adenosine monophosphate. This book provides an examination of calcium signalling.