
Plant Protein Kinases

plant protein kinase families and signal transduction¹ - plant protein kinases 453 distinguishing feature of the pvpkl family is a 70- to 90-amino acid insert between two of the conserved cata- **cdk-related protein kinases in plants - researchgate** - cdk-related protein kinases in plants jerôme joub¹ es¹, christian chevalier¹, denes dudits², erwin heberle-bors³, dirkinze⁴, masaaki umeda⁵ and jean-pierre renaudin⁶; 1laboratory of plant ... **plant protein kinases in signal transduction: a synoptic ...** - unlike cdpk, calmodulin and calcineurin b-like proteins have no enzymatic activity of their own, but they have recently been shown to interact with **calmodulin-binding protein kinases in plants - cell** - calmodulin-binding protein kinases in plants lei zhang and ying-tang lu key laboratory of moe for plant developmental biology, college of life sciences, wuhan university, wuhan 430072, china **protein kinases and phosphatases and their role in ...** - critical reviews in plant sciences, 17(3):245-318 (1998) protein kinases and phosphatases and their role in cellular signaling in plants sudhir k. sopory¹ and meenakshi munshi² 1international centre for genetic engineering and biotechnology, aruna asaf ali marg, new delhi — 110067, india; 2centre for plant molecular biology, school of life sciences, jawaharlal nehru university, new delhi ... **calcium-dependent protein kinases: hubs in plant stress ...** - update on calcium-dependent protein kinases calcium-dependent protein kinases: hubs in plant stress signaling and development¹ philipp schulz, marco herde, and tina romeis* **snf1-related protein kinases snrk2.4 and snrk2.10 modulate ...** - international journal of molecular sciences article snf1-related protein kinases snrk2.4 and snrk2.10 modulate ros homeostasis in plant response to **plant protein serine/threonine kinases ...** - ufv - p1: sat/spd p2: kkk/nbl/vks qc: kkk/abe t1: kkk march 29, 1999 16:0 annual reviews ar082-05 plant protein kinases 99 figure 1 total number of higher plant protein kinase entries in the embl database plotted **novel protein kinases associated with calcineurin b-like ...** - the c-terminal regions of these protein kinases are com- pared in figure 1c, which shows that a region of 20 to 30 amino acids in the middle of the c-terminal domain is highly **cyclin-dependent kinases and cell division in plants— the ...** - protein kinases. these kinases consist of a catalytic subunit, termed cyclin-dependent kinase (cdk), and an activating subunit, cyclin (reviewed in nigg, 1995). the first indication that this commonality might extend to the plant kingdom came with the identification of a plant protein immunologically related to the cdks (john et al., 1989), a finding that was followed by the cloning of a cdna ... **characterization of a dual plant protein kinase (fspk1) up ...** - protein phosphorylation controlled by kinases is a reversible process with the capability to respond to external and internal signals, and evidence suggests **plant receptor-like kinase gene family: diversity ...** - lectin receptor protein kinases (lecrks) (23), their extracellu- lar domains contain legume lectin motifs originally found in the seeds of leguminous plants (24). **the arabidopsis thaliana mitogen-activated protein kinases ...** - mitogen-activated protein kinase (mapk) cascades play key roles in plant immune signal- ling, and elucidating their regulatory functions requires the identification of the pathway- specific substrates.

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