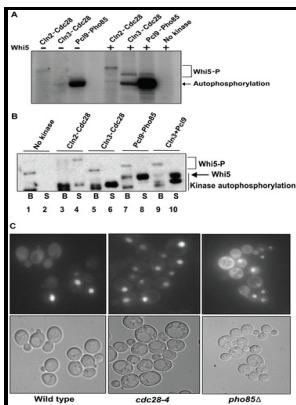


Rvs167 and Pho85 proteins of *S. cerevisiae* - a link between nutrient sensing, morphogenesis and the cell cycle.

National Library of Canada - A comprehensive, mechanistically detailed, and executable model of the cell division cycle in *Saccharomyces cerevisiae*



Description: -

-Rvs167 and Pho85 proteins of *S. cerevisiae* - a link between nutrient sensing, morphogenesis and the cell cycle.

- Canadian theses = -- Thèses canadiennes Rvs167 and Pho85 proteins of *S. cerevisiae* - a link between nutrient sensing, morphogenesis and the cell cycle.

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Tags: #Filamentous #growth #in #Saccharomyces #cerevisiae

In vivo analysis of the domains of yeast Rvs167p suggests Rvs167p function is mediated through multiple protein interactions.

Critical depletion of nutrients often induces growth arrest to form spores capable of tolerating a wide range of environmental stresses.

Characterization of the Yeast Amphiphysins Rvs161p and Rvs167p Reveals Roles for the Rvs Heterodimer In Vivo

Inactivation of the Pho85 complex also dephosphorylates Chn3, which is then degraded by the proteasome leading to cell cycle arrest. Extracts were analyzed by SDS-PAGE and immunoblotted with anti-Rvs167p antibody. Functional characterization of the *Saccharomyces cerevisiae* VHS3 gene: a regulatory subunit of the Ppz1 protein phosphatase with novel, phosphatase-unrelated functions.

Nutrient sensing and signaling in the yeast *Saccharomyces cerevisiae*

This demonstrates that our HWP1p-NAT selection strategy provides adequate selective pressure to evolve the capacity for morphogenesis in filamentation-defective mutants.

Frontiers

B Various Smc complexes found in bacteria and eukaryotes.

Rim15 and the crossroads of nutrient signalling pathways in *Saccharomyces cerevisiae*

Adherence of dermatophyte microconidia and arthroconidia to human keratinocytes in vitro. Protein kinase Snf1 is involved in the proper regulation of the unfolded protein response in *Saccharomyces cerevisiae*. In addition to proteins related to heat stress, the authors identified

biosynthetic enzymes as particularly prominent among Ppt1-regulated phosphoproteins, suggesting still uncharacterized roles for Ppt1 in metabolic regulation.

Cell cycle regulation

To reduce complexity a homotypic dimerization of Sun1 via the coiled-coil regions is postulated, although other coiled-coil-containing proteins might form heterotypic complexes with Sun1. DNA microarrays provide a systematic way to study the expression programs of the entire genome.

Rim15 and the crossroads of nutrient signalling pathways in *Saccharomyces cerevisiae*

These results suggest that THR1 is functionally associated with CaCDC4 with regard to the control of morphogenesis and that THR1 positively modulates hyphal formation.

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