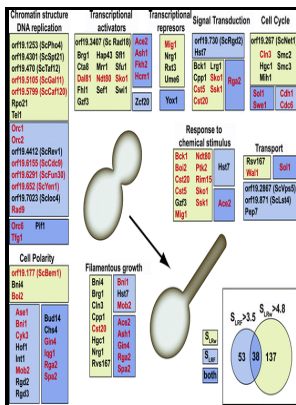


Rvs167 and Pho85 proteins of *S. cerevisiae* - a link between nutrient sensing, morphogenesis and the cell cycle.

National Library of Canada - THR1 mediates *GCN4* and *CDC4* to link morphogenesis with nutrient sensing and the stress response in *Candida albicans*



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.

Notes: Thesis (M.Sc.) -- University of Toronto, 1995.

This edition was published in 1995



Filesize: 11.67 MB

Tags: #Ser/Thr #protein #phosphatases #in #fungi: #structure, #regulation #and #function

Ser/Thr protein phosphatases in fungi: structure, regulation and function

There are several cyclins at least 30 of them, which are synthesized and degraded by proteasomes in stage specific manner.

Functional divergence of a global regulatory complex governing fungal filamentation

Further work has shown that *Krh1,2* affect both the abundance and phosphorylation state of *Bcy1*, such that its levels increase upon glucose limitation in a *Krh*-dependent manner. A MATa *rvs161Δ::URA3 xxxΔ::kan* strains were mixed with a toothpick on a YPD plate with a MATa *rvs161Δ::Nat* strain, incubated at 30°C for 2, 3, and 4 h and replica plated to YPD + G418 + Nat to select for diploids.

Filamentous growth in *Saccharomyces cerevisiae*

The ectopic expression of *Soll* has been reported to affect cell morphology. Elements of a single MAP kinase cascade in *Saccharomyces cerevisiae* mediate two developmental programs in the same cell type: mating and invasive growth.

Driving the Cell Cycle Through Metabolism, Annual Review of Cell and Developmental Biology

Genetics 203 4 : 1693—707. In this project authors investigate the mitotic transition control mechanisms. *Mafl* is a protein with multiple phosphorylation sites.

New Components of a System for Phosphate Accumulation and Polyphosphate Metabolism in *Saccharomyces cerevisiae* Revealed by Genomic Expression Analysis

DISCUSSION Rvs161p and Rvs167p are members of the conserved BAR-domain family of proteins and have established roles in the organization of the actin cytoskeleton and in endocytosis. Centrosome duplication is essential for the organization mitotic apparatus. Yeast form and filamentous cells also differ in their expression and accumulation of undesirable cell constituents and the ease with which cells can be disrupted or fractionated 15.

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

We observed functional divergence of the complex members, as Mss11 was dispensable for filamentous growth and had a reduced physical interaction with Mfg1 and Flo8 in filament-inducing cues. Accordingly, while loss of Rim15 rendered cells independent of PKA activity, overproduction of Rim15 exacerbated the growth defect of strains compromised for PKA activity.

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