



information hyperlinked
over proteins

Search Gene

Show overview **new**
Find in this Page

Filter and options
Gene Model

Developer's Zone **new**
Help

Concept & Implementation
by Robert Hoffmann

iHOP - Information Hyperlinked over Proteins [SNF4]

www.ihop-net.org/UniPub/iHOP/gs/33091.html?ID=32484

Symbol	Name	Synonyms	Organism
SNF4	Snf4p	CAT3, SCI1	Saccharomyces cerevisiae S288c

WikiGenes [edit this page](#) **new**

NCBI Gene [852763](#) more than **2,700 organisms, 110,000 genes, 28.4 million sentences.**
NCBI RefSeq [NP_011400](#) ...always up to date - every day.
NCBI RefSeq [NM_001180980](#)
NCBI UniGene [852763](#)

[Homologues of SNF4 ...](#)

[Definitions for SNF4 ...](#)

[Most recent information for SNF4 ...](#)

[Enhanced PubMed/Google query ...](#)

WARNING: Please keep in mind that gene detection is done automatically and can exhibit a certain error. [Read more](#) about synonym ambiguity and the iHOP confidence value.

[Find in this Page](#)

Sentences in this view contain interactions of SNF4 - Interaction Information is available whenever you see this symbol - Read more.

For a summary overview of the information in this page [click here.](#) **new**

We show that **SNF4** binds to the **SNF1** regulatory domain in low **glucose** [?], whereas in high **glucose** **new**

[?] the regulatory domain binds to the kinase domain of **SNF1** itself. [1996]

We first show that the fraction of cellular **Snf4** protein that is **complexed** with **Snf1** is reduced in a sip1delta sip2delta gal83delta triple mutant. [1997]

This **gene activation** depended on the previously identified derepression genes **CAT1** (**SNF1**) (encoding a protein kinase) and **CAT3** (**SNF4**) (probably encoding a subunit of **Cat1** p [Snf1 p]). [1995]

The **SNF4** -beta-galactosidase protein **coimmunoprecipitated** with the **SNF1** protein kinase, thus providing evidence for the physical association of the two proteins. [1989]

Increased **SNF1** **gene dosage** partially compensates for a mutation in **SNF4** , and the **SNF4** **function** is required for maximal **SNF1** protein kinase activity **in vitro**. [1989]

We have here addressed the role of the **Snf4** (gamma) subunit in **regulating** **SNF1** protein kinase in response to **glucose** [?] availability in **Saccharomyces cerevisiae**. [2008]

Finally, cells lacking the gamma subunit of the **Snf1** kinase **complex encoded** by the **SNF4** gene exhibited normal regulation of **threonine** 210 **phosphorylation** in response to **glucose** [?] limitation but are unable to phosphorylate Mig1 efficiently. [2001]

Regulation of **Snf1** kinase. Activation requires **phosphorylation** of **threonine** 210 by an upstream kinase as well as a distinct step **mediated** by the **Snf4** subunit. [2001]

In **two-hybrid assays**, one **SNF4** mutation **enhances** the interaction between **Snf4** and **Snf1** . [1999]

The **SNF1** protein kinase and the **associated** **SNF4** protein are required for release of **glucose** [?]