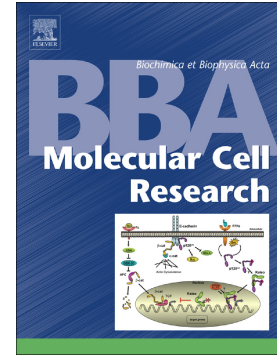


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Ubiquitin protease Ubp8 is necessary for *S. cerevisiae* respiration

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Research Highlights

- Ubiquitin protease Ubp8 is required for respiration in budding yeast
- Ubp8 expression is regulated by respiration and Gcn5 dependent acetylation
- Ubp8 is localized into mitochondria independently of SAGA complex
- Absence of E3 Ub-ligase Psh1 rescues respiration in *ubp8Δ* strain

Key words: *Ubp8*, *Psh1*, respiration, mitochondria, CPTH2

Abbreviations

HAT histone-acetyltransferase, Gcn5, General Control Nonderepressible, HDAC, histone deacetylase, CPTH2 cyclopentylidene-[4-(4'-chlorophenyl)thiazol-2-yl)hydrazone, Ubp8, ubiquitin protease 8, DUB, deubiquitylation, Psh1, E3-ubiquitin ligase, Ub, ubiquitin, Por1, porin1.

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