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ABSTRACT

The invention provides a yeast in which a specific gene alone has been disrupted and to which auxotrophy is impared to construct a system for producing an industrially useful substance through gene recombination by utilizing characteristics of a yeast.

In the practice of the invention, a yeast strain in which ADE1 gene has been disrupted is constructed by homologous recombination with a chromosomal DNA by using an ADE1 gene fragment encoding phosphoribosylaminoimidazole succinocarboxamide synthase (EC6.3.2.6) of *Candida maltosa*. In the practice of the invention, then, this disrupted strain is transformed by a gene expression cassette containing a biodegradable polyester synthase gene and the obtained transformant is cultured to thereby produce biodegradable polyester.