GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-111325-1 EN DE

LAST UPDATED: 18 NOV 2016

General information

Name of genetic element

Citrate synthase gene EN

Abbreviation

CS-cit1-YEASX EN

Category

Protein coding sequence

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

BCH-ORGA-SCBD-45724-5 ORGANISM | SACCHAROMYCES CEREVISIAE (YEAST, YEASX) | Fungi

Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

Citrate synthase EN

Biological function of the protein

The citrate synthases catalyses the first step of the tricarboxylic acid cycle by converting acetyl-CoA and oxaloacetate to citric acid. EN

Related trait(s) or use(s) in biotechnology

Changes in physiology and/or production

Growth rate

Yield

Additional Information

Other relevant website addresses and/or attached documents

? Saccharomyces cerevisiae contains two functional citrate synthase genes *(English)*

? Citrate synthase - Wikipedia *(English)*

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Further Information

Questions about the Cartagena Protocol on Biosafety or the operation of the Biosafety Clearing-House may be directed to the Secretariat of the Convention on Biological Diversity.

Secretariat of the Convention on Biological Diversity
413 rue Saint-Jacques, suite 800
Montreal, Québec, H2Y 1N9
Canada
Fax: +1 514 288-6588
Email: secretariat@cbd.int