

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-102613-3

EN DE

LAST UPDATED: 06 JUL 2012

General information

Name of genetic element

Acetyl-CoA carboxylase large subunit

EN

Abbreviation

CS-accD

EN

Category

Protein coding sequence

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-12120-4](#) ORGANISM | NICOTIANA TABACUM (TOBACCO, TOBAC)

Crops

Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

Acetyl-CoA carboxylase large subunit

EN

Biological function of the protein

ACC catalyzes the irreversible carboxylation of acetyl-CoA to malonyl-CoA. Malonyl-CoA is needed as a co-substrate in the fatty acids biosynthesis.

EN

Additional Information

Other relevant website addresses and/or attached documents

? [Wikipedia_acetyl-CoA carboxylase](#) (English)

[BCH-GENE-SCBD-102613-3](#)

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**

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