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Biosafety Clearing-House (BCH)

LAST UPDATED: 09 FEB 2021 General information Name of genetic element 1-amino-cyclopropane -1-carboxylic acid synthase gene Abbreviation CS-acc-DIACA CS-acc-DIACA Protein coding sequence Is this genetic element a synthetic molecule? No	GENETIC ELEMENT (GENE) BCH-	GENE-SCBD-15012-5
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Crops

Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

1-amino-cyclopropane -1-carboxylic acid synthase

Biological function of the protein

The ACC gene encodes for the carnation 1-amino-cyclopropane-1-carboxylic acid (ACC) synthase which is required for normal ethylene biosynthesis which affects the rate of ripening EN in plants.

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

Changes in physiology and/or production Ripening

Additional Information

Other relevant website addresses and/or attached documents

? Molecular cloning of an 1-aminocyclopropane-1-carboxylate synthase from senescing carnation flower petals (${\it English}$)

BCH-GENE-SCBD-15012-5

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