

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-110906-1

EN DE

LAST UPDATED: 12 SEP 2016

General information

Name of genetic element

Dc3 promoter

EN

Abbreviation

P-Dc3-DAUCA

EN

Category

Promoter

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-110869-2](#) ORGANISM | DAUCUS CAROTA SUBSP. SATIVUS (CARROT, DAUCA)

Crops

Characteristics of the protein coding sequence

Additional Information

Dc3 is a carrot late embryogenesis abundant lea-class gene. The Dc3 promoter drives the expression in developing seeds and in vegetative tissues subjected to drought and treatment with exogenous abscisic acid (ABA), and during somatic embryogenesis.

EN

Other relevant website addresses and/or attached documents

? [Abscisic acid-inducible nuclear proteins bind to bipartite promoter elements required for ABA response and embryo-regulated expression of the carrot Dc3 gene. \(English \)](#)

? [Hormonal and Environmental Regulation of the Carrot lea-Class Gene Dc3 \(English \)](#)

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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**

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