

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-100366-6

LAST UPDATED: 16 FEB 2021

General information

Name of genetic element

CaMV Enhanced 35S promoter

EN

Abbreviation

P-e35S-CaMV

EN

Category

Promoter

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-12125-5](#) ORGANISM | CAULIFLOWER MOSAIC VIRUS (CAMV) |

Viruses

Characteristics of the protein coding sequence

Additional Information

P-e35S is a 0.61Kb long sequence containing the promoter and leader for the cauliflower mosaic virus (CaMV) 35S RNA containing the duplicated enhancer region.

EN

This modifications were made to enhance the activity of this promoter in plants.

Other relevant website addresses and/or attached documents

? [Kay R, Chan A, Daly M, McPherson J \(1987\) Duplication of CaMV 35S promoter sequences creates a strong enhancer for plant genes. Science 236: 1299-1302. \(English \)](#)

? [Odell JT, Nagy F, Chua N-H \(1985\) Identification of DNA sequences required for activity of the Cauliflower Mosaic Virus 35S promoter. Nature 313:810-812. \(English \)](#)

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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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