

## Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-100287-7

LAST UPDATED: 10 SEP 2015

### General information

Name of genetic element

CaMV 35S promoter

EN

Abbreviation

P-35S-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

The 35S promoter was isolated from the Cauliflower Mosaic Virus (CaMV) and is one of the most widely used promoters in plant transformation.

The 35S promoter is a very strong constitutive promoter, resulting in high levels of gene expression in dicot plants. However, it is less effective in monocots, especially in cereals.

#### Useful references:

Nagy, F. et al. (1985) Properties of expression of the 35S promoter from CaMV in transgenic tobacco plants. *Biotechnology in Plant Science - Relevance to Agriculture in the Eighties*. Ed. M. Zaitlin, P. Day, A. Hollaender, C. M. Wilson. p. 227-235.

EN

Other relevant website addresses and/or attached documents

? [Transcription of Cauliflower Mosaic Virus DNA Detection of promoter sequences, and characterisation of transcripts.pdf](#) ( *English* )

? [P-35S Patents online](#) ( *English* )

[BCH-GENE-SCBD-100287-7](#)

## 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](mailto:secretariat@cbd.int)