

## Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-100273-4

LAST UPDATED: 17 OCT 2017

### General information

Name of genetic element

B33 gene promotor

EN

Alternate genetic element name(s) (synonym(s))

Patatin class I promoter

EN

Abbreviation

P-B33

EN

Category

Promoter

Is this genetic element a synthetic molecule?

No

### Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-12106-6](#) ORGANISM | SOLANUM TUBEROSUM (POTATO, SOLTU)

Crops

### Characteristics of the protein coding sequence

### Additional Information

B33 is one of two different class I patatin genes. B33 carries a 5'-upstream promoter region of 1.5 kb which on average is 100- to 1000-fold more active in tubers as compared to stems, roots or leaves.

EN

Other relevant website addresses and/or attached documents

? [Both developmental and metabolic signals activate the promoter of a class I patatin gene.pdf](#) ( English )

? [Organ-specificity and inducibility of patatin class I promoter from potato in transgenic arabidopsis plants](#) ( English )

## 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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