

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-115830-1

LAST UPDATED: 04 DEC 2020

General information

Name of genetic element

Globulin-1 promoter

EN

Abbreviation

P-ZmGlb1

EN

Category

Promoter

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-246-6](#) ORGANISM | ZEA MAYS (MAIZE, CORN, MAIZE) |

Crops

Characteristics of the protein coding sequence

Additional Information

The *Zea mays* globulin-1 promoter directs high levels of seed and embryo-preferred expression of downstream elements in monocotyledons.

EN

Other relevant website addresses and/or attached documents

? [US Patent - US7169967B2 - Globulin-1 promoter from maize and method of using same.pdf](#) (*English*)

? [Identification of maize embryo preferred promoters suitable for high level heterologous protein production.pdf](#) (*English*)

? [GenBank - Zea mays globulin-1 gene, promoter region \(AH001354.2\)](#) (*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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