

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-100362-7

LAST UPDATED: 17 MAY 2021

General information

Name of genetic element

Ubiquitin gene promoter

EN

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

Polyubiquitin gene promoter

EN

Abbreviation

P-ubi1-MAIZE

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

This is a 1.98kb long DNA sequence containing the ubiquitin promoter and 5' untranslated region from Zea mays.

EN

P-ubiZM1 is a constitutive promoter in corn (ie. results in expression in all tissues).

Other relevant website addresses and/or attached documents

? [Expression of a Maize Ubiquitin Gene Promoter-bar Chimeric Gene in Transgenic Rice Plants.pdf \(English\)](#)

? [Maize polyubiquitin genes: structure, thermal perturbation of expression and transcript splicing,](#)

and promoter activity following transfer to protoplasts by electroporation (*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**

413 rue Saint-Jacques, suite 800
Montreal, Québec, H2Y 1N9
Canada
Fax: +1 514 288-6588
Email: secretariat@cbd.int