

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-115829-2

LAST UPDATED: 10 FEB 2021

General information

Name of genetic element

27 kDa gamma-zein seed storage protein signal peptide

EN

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

ZmZ27ss

EN

Abbreviation

TP-zc2-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

The 27 kDa gamma-zein signal peptide directs proteins to the endoplasmic reticulum.

EN

Other relevant website addresses and/or attached documents

? [GenBank - Zea mays ZmSw27gZein mRNA for 27 kDa gamma-zein, complete cds \(AB086264.1\)](#) (*English*)

? [Two structural domains mediate two sequential events in \[gamma\]-zein targeting - Protein endoplasmic reticulum retention and protein body formation.pdf](#) (*English*)

BCH-GENE-SCBD-115829-2

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