

## Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-100364-5

LAST UPDATED: 17 MAY 2021

### General information

Name of genetic element

Rice actin 1 gene promoter

EN

Abbreviation

P-act1-ORYSA

EN

Category

Promoter

Is this genetic element a synthetic molecule?

No

### Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-10454-5](#) ORGANISM | ORYZA SATIVA (RICE, ORYZA) |  
Crops

### Characteristics of the protein coding sequence

### Additional Information

This is a 0.93kb long sequence from the promoter from the rice actin gene. The promoter directs high levels of transcription of downstream sequences in monocot plants. It is constitutive in nature (active in all plant tissues).

EN

Other relevant website addresses and/or attached documents

- ? [Isolation of an Efficient Actin Promoter for Use in Rice Transformation.pdf](#) ( English )
- ? [US9453234 - Chimeric promoters comprising a rice Actin 1 promoter and 35S enhancers for use in plants.pdf](#) ( English )
- ? [Characterization of cis-acting elements regulating transcription from the promoter of a constitutively active rice actin gene.pdf](#) ( English )

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## Further Information

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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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