

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-14989-5

LAST UPDATED: 27 FEB 2014

General information

Name of genetic element

Cry3A

EN

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

CryIIIA

EN

Abbreviation

CS-Cry3A-BACTU

EN

Category

Protein coding sequence

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-45614-11](#) ORGANISM | BACILLUS THURINGIENSIS (BT, BACILLUS, BACTU)
Bacteria

Point of collection or acquisition of the donor organism(s)

Bacillus thuringiensis subsp. tenebrionis, strain BI 256-82

EN

Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

Cry3A delta-endotoxin

EN

Biological function of the protein

The cry3A gene codes for a Bt-Toxin, which confers resistance to western corn rootworm (*Diabrotica virgifera virgifera*), northern corn rootworm (*Diabrotica longicornis barberi*) and other related coleopteran species.

EN

Related trait(s) or use(s) in biotechnology

Resistance to diseases and pests

Insects

Coleoptera (beetles)

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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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