LIVING MODIFIED ORGANISM (LMO)

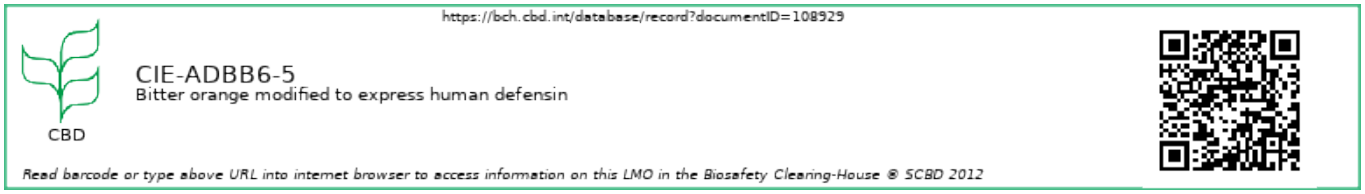
BCH-LMO-SCBD-108929-1

? Decisions on the LMO ? Risk Assessments

LAST UPDATED: 14 OCT 2015

Living Modified Organism identity

The image below identifies the LMO through its unique identifier, trade name and a link to this page of the BCH. Click on it to download a larger image on your computer. For help on how to use it go to the LMO quick-links page.



Name

Bitter orange modified to express human defensin | EN

Transformation event

CIE-ADBB6-5

Unique identifier

CIE-ADBB6-5

Developer(s)

- PERSON: MS BEATRIZ XOCONOSTLE-CAZARES | BCH-CON-SCBD-108928-2

PERSON

Ms Beatriz Xoconostle-Cazares
Professor, Biotecnologia y bioingenieria
Av. Instituto politecnico nacional 2508, col san pedro zacatenco
Mexico City, DF
07360, Mexico
Phone: +52-55-57473318
Email: bxoconos@cinvestav.mx, beatriz_xoconostle@yahoo.com
Website: http://www.cinvestav.mx

RELATED ORGANIZATION

Description

Bitter orange modified with the insertion of the anti-microbial human defensin gene. | EN

Recipient Organism or Parental Organisms

The term “Recipient organism” refers to an organism (either already modified or non-modified) that was subjected to genetic modification, whereas “Parental organisms” refers to those that were involved in cross breeding or cell fusion.

BCH-ORGA-SCBD-108803-2 ORGANISM | CITRUS AURANTIUM (SOUR ORANGE, BITTER ORANGE, SEVILLE ORANGE, CITAR) |

Crops

Characteristics of the modification process

Techniques used for the modification

Agrobacterium-mediated DNA transfer

Genetic elements construct

P-35S-CaMV	CS-DEF-HUMAN	T-nos-RHIRD
0.000 kb	0.000 kb	0.000 kb

Introduced or modified genetic element(s)

Some of these genetic elements may be present as fragments or truncated forms. Please see notes below, where applicable.

BCH-GENE-SCBD-100287-7 CAMV 35S PROMOTER |

Promoter

BCH-GENE-SCBD-108927-1 DEFENSIN CODING SEQUENCE | (HUMANS) |

Protein coding sequence | Resistance to diseases and pests (Bacteria, Fungi)

BCH-GENE-SCBD-100269-8 NOPALINE SYNTHASE GENE TERMINATOR |

Terminator

LMO characteristics

Modified traits

Resistance to diseases and pests

Bacteria

Common use(s) of the LMO

Food
Ornamental

BCH-LMO-SCBD-108929-1

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