

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-108875-2

LAST UPDATED: 06 AUG 2021

General information

Name of genetic element

Snf7 coding sequence

EN

Abbreviation

CS-Snf7_RNAi_u-DIAVI

EN

Category

Protein coding sequence

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-108874-3](#) ORGANISM | DIABROTICA VIRGIFERA VIRGIFERA (WESTERN CORN ROOTWORM, DIAVI) |
Insects

Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

Snf7

EN

Biological function of the protein

The WCR Snf7 ortholog (DvSnf7) is a component of the ESCRT-III complex (endosomal sorting complex required for transport), which is involved in essential biological processes including sorting of cell membrane receptors.

EN

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

Resistance to diseases and pests

Insects

Coleoptera (beetles)

Western corn rootworm (*Diabrotica virgifera*)

Additional Information

Other relevant website addresses and/or attached documents

- ? [Characterizing the Mechanism of Action of Double-Stranded RNA Activity against Western Corn Rootworm \(*Diabrotica virgifera virgifera* LeConte\) \(English \)](#)
- ? [An endosome-associated heterooligomeric protein complex required for mvb sorting \(English \)](#)
- ? [Control of coleopteran insect pests through RNA interference \(English \)](#)

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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

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