

## Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-110265-1

LAST UPDATED: 05 MAY 2016

### General information

Name of genetic element

Acetohydroxy acid synthase 1 gene

EN

Abbreviation

CS-AHAS1-BRANA

EN

Category

Protein coding sequence

Is this genetic element a synthetic molecule?

No

### Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-12083-7](#) ORGANISM | BRASSICA NAPUS (TURNIP, RAPESEED, CANOLA PLANT, OILSEED RAPE, RAPE, BRANA) |  
Crops

### Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

Acetohydroxy acid synthase

EN

Biological function of the protein

AHAS is an essential enzyme for many organisms as it catalyzes the first step in the biosynthesis of the branched-chain amino acids valine, isoleucine, and leucine.

EN

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

Resistance to herbicides  
Imidazolinone  
Sulfonylurea

### Additional Information

Other relevant website addresses and/or attached documents

? [Acetohydroxyacid Synthase](#) ( *English* )

[BCH-GENE-SCBD-110265-1](#)

## 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**

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