

Biosafety Clearing-House (BCH)

GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-111295-1

EN

DE

LAST UPDATED: 11 NOV 2016

General information

Name of genetic element

Amino acid permease 2 gene

EN

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

Amino acid transporter

EN

Abbreviation

CS-aap2-SOLTU

EN

Category

Protein coding sequence

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

[BCH-ORGA-SCBD-12106-6](#) ORGANISM | SOLANUM TUBEROSUM (POTATO, SOLTU) |

Crops

Characteristics of the protein coding sequence

Name of the protein expressed by the coding sequence

Amino acid permease (AAP2)

EN

Biological function of the protein

AAP2 is thought to be involved in the long-distance transport of amino acids from leaves to tubers.

EN

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

Changes in quality and/or metabolite content
Protein and amino acids

Additional Information

Other relevant website addresses and/or attached documents

? [Amino acid transport in plants](#) (*English*)

? [Regulation of sugar, amino acid and peptide plant membrane transporters](#) (*English*)

? [Genome-wide survey and expression analysis of the amino acid transporter superfamily in potato \(*Solanum tuberosum* L.\)](#) (*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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