GENETIC ELEMENT (GENE)

BCH-GENE-SCBD-116036-1

LAST UPDATED: 03 MAY 2021

General information

Name of genetic element

Glutamate dehydrogenase mitochondrial transit peptide | EN

Abbreviation

TP-gdh1-SOLLC | EN

Category

Transit signal

Is this genetic element a synthetic molecule?

No

Donor organism

Donor organism(s)

BCH-ORGA-SCBD-12079-5 ORGANISM | SOLANUM LYCOPERSICUM (TOMATO, SOLLC) | Crops

Characteristics of the protein coding sequence

Additional Information

See Sequence 6 on page 25 of the the provisional patent below. The sequence is 69 base pairs in length.

Sequence:
atgaatgctt tagcagcaac taatagaaat tttaagctgg cagctaggct tcttggttta gac tc aaag

The sequence was likely taken from the tomato gene glutamate dehydrogenase 1. The identity was inferred from a BLAST search of the above sequence against the nucleotide collection for *Solanum lycopersicum*. The transit signal directs the translated protein to the mitochondria.

EN

Other relevant website addresses and/or attached documents

? Application No AU 199953553 Al - Early maturing sugarcane with high sugar content.pdf *(English*

)

BCH-GENE-SCBD-116036-1

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